

JVC

CD RECEIVER

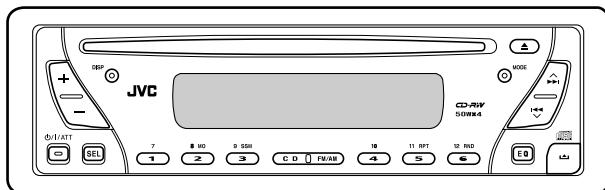
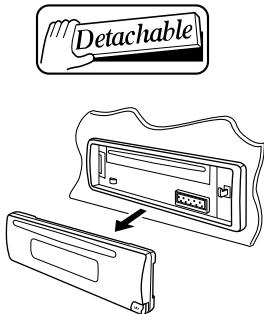
KD-G116/KD-G115

ENGLISH

ไทย

เครื่องเล่น CD

KD-G116/KD-G115



CD-RW COMPACT
DISC DIGITAL AUDIO

For canceling the display demonstration, see page 7.

ดูที่หน้า 7 เพื่อยกเลิกการสาธิตภาพประกอบ

For installation and connections, refer to the separate manual.

กรุณากดปุ่มที่แยกต่างหาก ในการติดตั้งและการเชื่อมต่อ

INSTRUCTIONS คำแนะนำ

GET0252-001A
[U/UH]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. **CLASS 1 LASER PRODUCT**
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. **REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.**

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.

ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler.

VARNING : Synlig och osynlig laserstrålning när enhetens lås är urkopplad.

VARO : Avlattessa ja suojaalukkuus on näkyvällä ja näkymätönmäille laserstråleilla. Vältä sääteen kohdustaumista itseesi. (I)

Warning:

If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

How to reset your unit



- This will reset the microcomputer. Your preset adjustments will also be erased.
- If a disc is loaded, it will eject. Be careful not to drop the disc.

How to forcibly eject a disc

If a disc cannot be recognized by the receiver or cannot be ejected, ejects the disc as follows.



- If this does not work, try to reset your receiver.
- Be careful not to drop the disc when it ejects.

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ENGLISH

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*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

■ How to read this manual

The following methods are used to made the explanations simple and easy-to-understand:

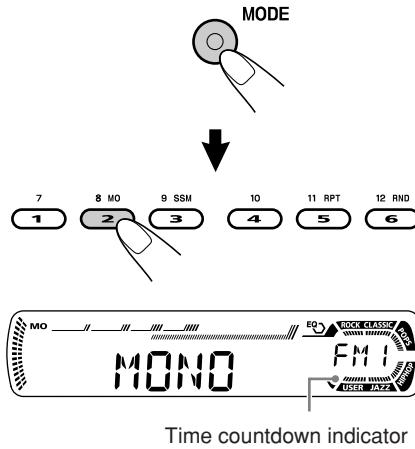
- Some related tips and notes are explained in “More about this receiver” (see page 17).
- Button operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

■ How to use the MODE button

If you press MODE, the receiver goes into functions mode, then the number buttons work as different function buttons.

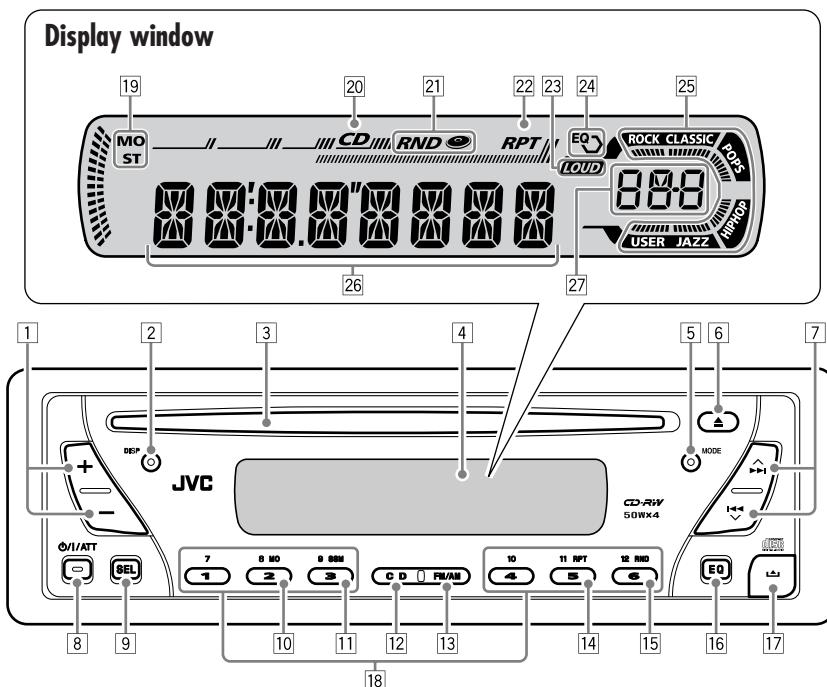
Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Parts identification



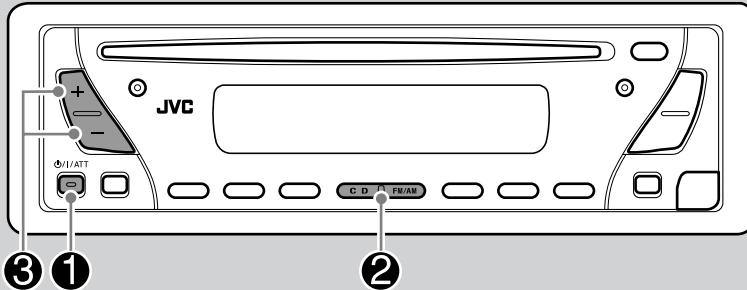
- 1 +/- buttons
- 2 DISP (display) button
- 3 Loading slot
- 4 Display window
- 5 MODE button
- 6 ▲ (eject) button
- 7 ▲▶▶◀◀▼ buttons
- 8 Ⓛ/I/ATT (standby/on/attenuator) button
- 9 SEL (select) button
- 10 MO (monaural) button
- 11 SSM (Strong-station Sequential Memory) button
- 12 CD button
- 13 FM/AM button
- 14 RPT (repeat) button
- 15 RND (random) button
- 16 EQ (equalizer) button
- 17 ▲ (control panel release) button
- 18 Number buttons

Display window

- 19 Tuner reception indicators
MO (monaural), ST (stereo)
- 20 CD indicator
- 21 RND (disc random) indicator
- 22 RPT (repeat) indicator
- 23 LOUD (loudness) indicator
- 24 EQ (equalizer) indicator
- 25 Sound mode (C-EQ: custom equalizer) indicators
ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
 -  also works as the time countdown indicator.
- 26 Main display
- 27 Source display
Volume level indicator

Getting started

Basic operations



1



JVC

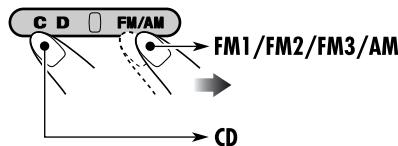


To drop the volume in a moment (ATT)



To restore the sound, press it again.

2



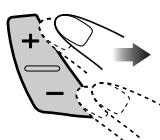
You cannot select "CD" as the playback source if there is no disc in the loading slot.

To turn off the power

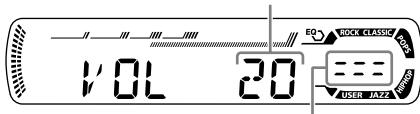


Hold...

3



Volume level appears.



Volume level indicator

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

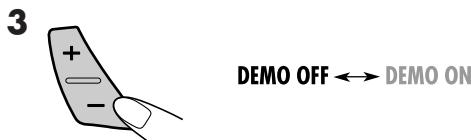
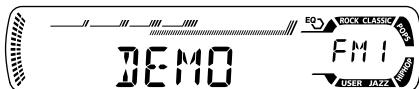
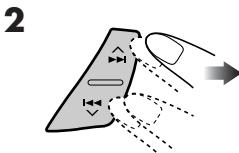
4

Adjust the sound as you want.
(See pages 12 and 13.)

Canceling the display demonstrations

If no operations are done for about 20 seconds, display demonstration starts.

[Initial: DEMO ON]—see page 14.



4 Finish the procedure.



To activate the display demonstration

In step 3 above...



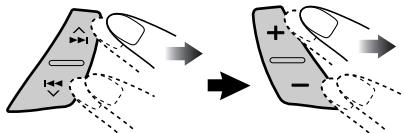
DEMO OFF <-> DEMO ON

Setting the clock



2 Set the hour and minute.

- 1 Select “CLOCK H” (hour), then adjust the hour.
- 2 Select “CLOCK M” (minute), then adjust the minute.



3 Finish the procedure.

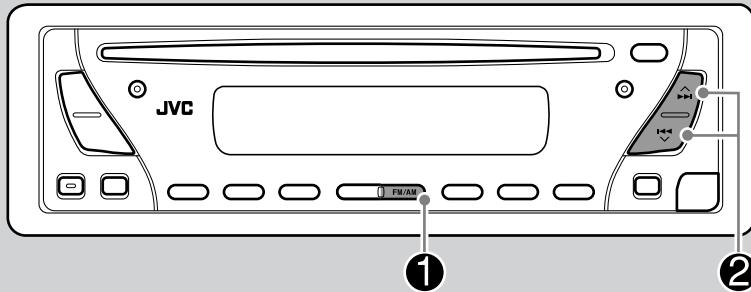


To check the current clock time when the receiver is turned off



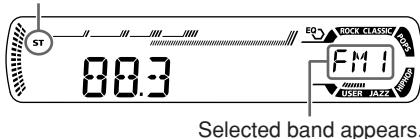
Radio operations

Listening to the radio

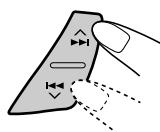


1 

Lights up when receiving an FM stereo broadcast with sufficient signal strength.



2 **Start searching for a station.**

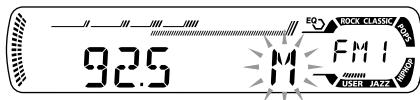
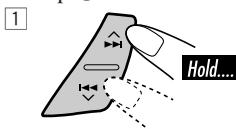


When a station is received, searching stops.

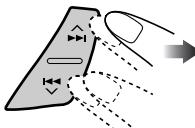
To stop searching, press the same button again.

To tune in to a station manually

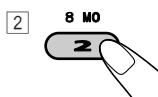
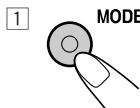
In step ② above...



2 **Select the desired station frequencies.**



When an FM stereo broadcast is hard to receive



Lights up when monaural mode is activated.



Reception improves, but stereo effect will be lost.

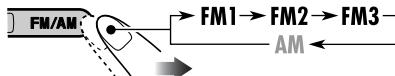
To restore the stereo effect, repeat the same procedure so that the MO indicator goes off.

Storing stations in memory

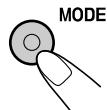
You can preset six stations for each band.

FM station automatic presetting— SSM (Strong-station Sequential Memory)

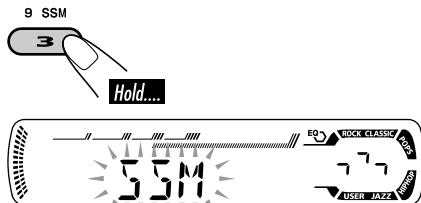
- 1 Select the FM band (FM1 – FM3) you want to store into.



- 2



- 3



“SSM” flashes, then disappears when automatic presetting is over.

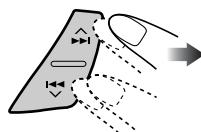
Local FM stations with the strongest signals are searched and stored automatically in the FM band.

Manual presetting

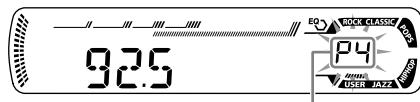
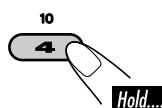
Ex.: Storing FM station of 92.5 MHz into the preset number 4 of the FM1 band.



- 2



- 3



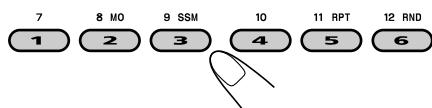
Preset number flashes for a while.

Listening to a preset station

- 1



- 2 Select the preset station (1 – 6) you want.



To check the current clock time while listening to an FM or AM station

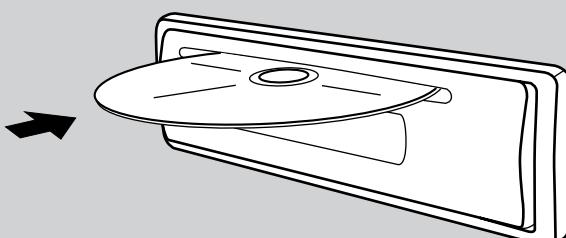
DISP



Frequency ↔ Clock

Disc operations

Playing a disc



All tracks will be played repeatedly until you stop playback.



Total playing time of the inserted disc

Total track number of the inserted disc



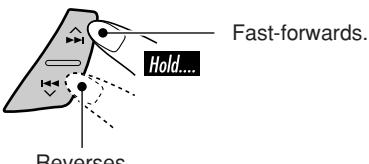
Elapsed playing time

Current track number

To stop play and eject the disc

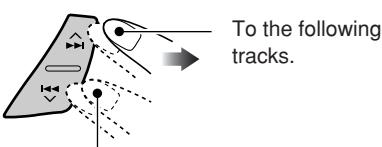


To fast-forward or reverse the track



Reverses.

To go to the next or previous tracks



To the beginning of the current track, then the previous tracks.

To go to a particular track directly

To select a number from 01 – 06:

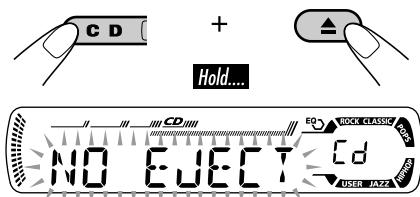


To select a number from 07 – 12:



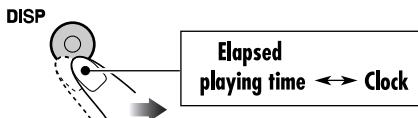
■ Prohibiting disc ejection

You can lock a disc in the loading slot.



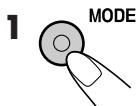
To cancel the prohibition, repeat the same procedure.

To check the current clock time while listening to a disc



Selecting the playback modes

You can use only one of the following playback modes at a time.



2 Select your desired playback mode.

Repeat play

11 RPT



Ex.: When "TRK RPT" is selected

Mode

Plays repeatedly

TRK RPT: The current track.

- RPT lights up.

RPT OFF: Cancels repeat play.

Random play

12 RND



Ex.: When "DISC RND" is selected

Mode

Plays at random

DISC RND: All tracks of the current disc.

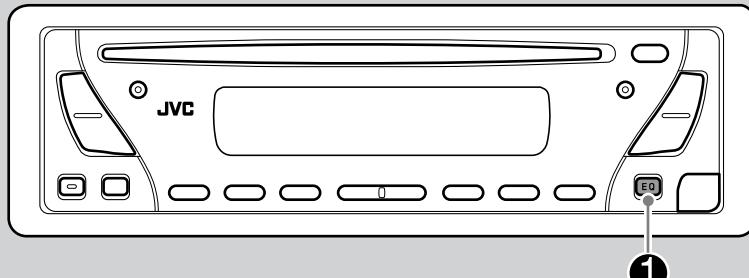
- RND  lights up.

RND OFF: Cancels random play.

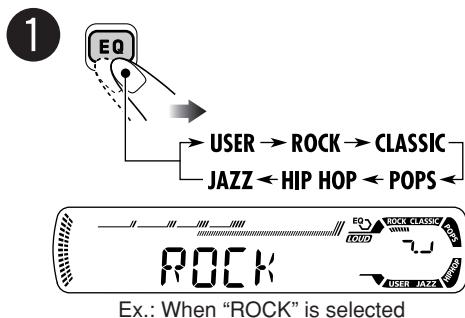
Sound adjustments

ENGLISH

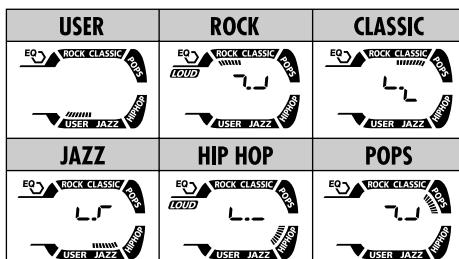
Selecting preset sound modes (C-EQ: custom equalizer)



You can select a preset sound mode suitable to the music genre.



Indication pattern for each sound mode:



Indication	For:	Preset values		
		BAS* ¹	TRE* ²	LOUD* ³
USER	(Flat sound)	00	00	OFF
ROCK	Rock or disco music	+03	+01	ON
CLASSIC	Classical music	+01	-02	OFF
POPS	Light music	+04	+01	OFF
HIP HOP	Funk or rap music	+02	00	ON
JAZZ	Jazz music	+02	+03	OFF

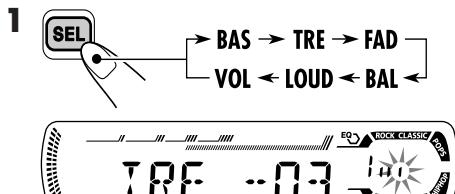
*1 BAS: Bass

*2 TRE: Treble

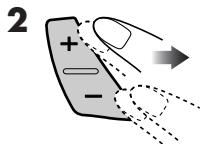
*3 LOUD: Loudness

Adjusting the sound

You can adjust the sound characteristics to your preference.



Ex.: When "TRE" is selected



Indication pattern changes as you adjust the level.



Indication	To do:	Range
BAS*1 (bass)	Adjust the bass.	-06 (min.) to +06 (max.)
TRE*1 (treble)	Adjust the treble.	-06 (min.) to +06 (max.)
FAD*2 (fader)	Adjust the front and rear speaker balance.	R06 (Rear only) to F06 (Front only)
BAL (balance)	Adjust the left and right speaker balance.	L06 (Left only) to R06 (Right only)
LOUD*1 (loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON ↓ LOUD OFF
VOL*3 (volume)	Adjust the volume.	00 (min.) to 30 or 50 (max.)*4

*1 When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."

*2 If you are using a two-speaker system, set the fader level to "00."

*3 Normally the +/- buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.

*4 Depending on the amplifier gain control setting. (See page 14 for details.)

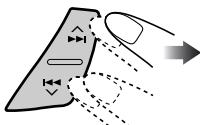
General settings — PSM

Basic procedure

You can change PSM (Preferred Setting Mode) items listed in the table that follows.

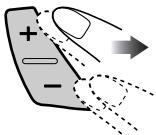


2 Select a PSM item.



Ex.: When you select "AMP GAIN"

3 Adjust the PSM item selected.



4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

5 Finish the procedure.



Indications

Selectable settings, [reference page]

DEMO

Display demonstration

DEMO ON: *[Initial]*; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7].

DEMO OFF: Cancels.

CLOCK H

Hour adjustment

1 – 12, [7]

[Initial: 1 (1:00)]

CLOCK M

Minute adjustment

00 – 59, [7]

[Initial: 00 (1:00)]

AMP GAIN

Amplifier gain control

You can change the maximum volume level of this receiver.

LOW PWR: VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from damaging the speaker.)

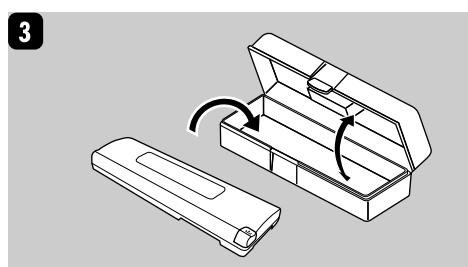
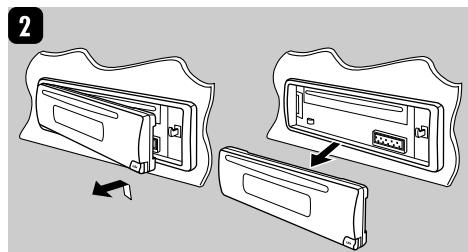
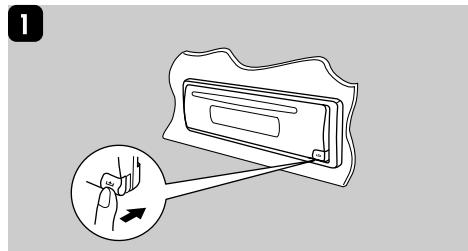
HIGH PWR: *[Initial]*; VOL 00 – VOL 50

Detaching the control panel

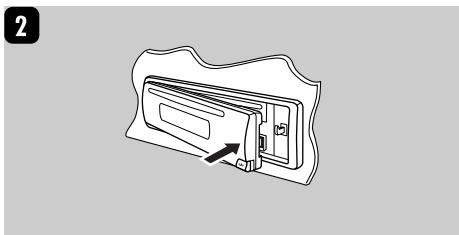
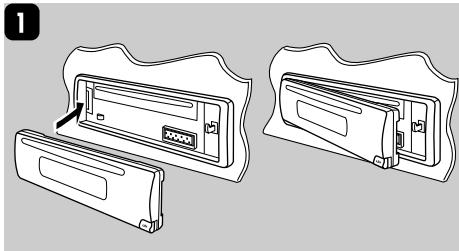
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

Detaching the control panel

Before detaching the control panel, be sure to turn off the power.



Attaching the control panel

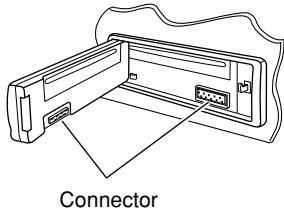


Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.



To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this receiver may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the receiver turned on for a few hours until the moisture evaporates.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

Center holder



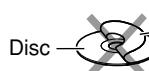
Do not use the following discs:



Warped disc



Sticker
residue



Stick-on
label

More about this receiver

Basic operations

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and stations are stored newly.
 - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
 - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

General

- This receiver has been designed to reproduce CDs, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA) format.
- When a disc has been loaded, selecting “CD” for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, the disc automatically ejects.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a CD-R or CD-RW

- Use only “finalized” CD-Rs or CD-RWs.
- This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.

- Some CD-Rs or CD-RWs may not play back on this receiver because of their disc characteristics, and for the following causes:
 - Discs are dirty or scratched.

- Moisture condensation occurs on the lens inside the receiver.
- The pickup lens inside the receiver is dirty.
- CD-R or CD-RW on which the files are written with “Packet Write” method.
- There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).

- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs.

Changing the source

- If you change the source, playback also stops (without ejecting the disc). Next time you select “CD” for the playback source, disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

General settings—PSM

- If you change the “AMP GAIN” setting from “HIGH PWR” to “LOW PWR” while the volume level is set higher than “VOL 30,” the receiver automatically changes the volume level to “VOL 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none">• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none">• The receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).
FM/AM	<ul style="list-style-type: none">• SSM automatic presetting does not work.• Static noise while listening to the radio.	Signals are too weak. The antenna is not connected firmly.	Store stations manually. Connect the antenna firmly.
Disc playback	<ul style="list-style-type: none">• Disc automatically ejects.• CD-R/CD-RW cannot be played back.• Tracks on the CD-R/CD-RW cannot be skipped.	Disc is inserted upside down. CD-R/CD-RW is not finalized.	Insert the disc correctly. <ul style="list-style-type: none">• Insert a finalized CD-R/CD-RW.• Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none">• Disc can be neither played back nor ejected.	Disc is locked.	Unlock the disc (see page 11).
		The CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).
	<ul style="list-style-type: none">• Disc sound is sometimes interrupted.	You are driving on rough roads. Disc is scratched.	Stop playback while driving on rough roads. Change the disc.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none">• “NO DISC” appears on the display.	No disc is in the loading slot. Disc is inserted incorrectly.	Insert a disc into the loading slot. Insert the disc correctly.

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel
Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than 0.8%
total harmonic distortion.
Rear: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than 0.8%
total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Tone Control Range:

Bass: ±10 dB at 100 Hz
Treble: ±10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

2.0 V/20 kΩ load (full scale)

Output Impedance: 1 kΩ

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz
AM: 531 kHz to 1 602 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μV/75 Ω)

Alternate Channel Selectivity (400 kHz): 65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μV

Selectivity: 35 dB

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement:

Operating Voltage:
DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature: 0°C to +40°C

Dimensions (W × H × D):

Installation Size (approx.):
182 mm × 52 mm × 150 mm
Panel Size (approx.):
188 mm × 58 mm × 11 mm

Mass (approx.): 1.3 kg (excluding accessories)

*Design and specifications are subject to change
without notice.*

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

The JVC logo is a bold, black, sans-serif font. The letters 'J' and 'V' are stacked vertically, with 'J' on top and 'V' on the bottom. To the right of 'V', the letter 'C' is positioned, also in a bold, black, sans-serif font.

EN, TH

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1004DTSMDTJEIN

ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the receiver.

- Be sure to ground this receiver to the car's chassis again after installation.

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this receiver.



การเชื่อมโดยใช้ไฟฟ้า

เพื่อป้องกันการเกิดไฟฟ้าลัดวงจรของแนะนำให้ปลดขั้วแมงเดตอร์ลอกออกแล้วจึงต่อสายไฟก่อนติดตั้งเครื่อง

- ตรวจสอบไฟแนนซ์ได้ก่อนสายกินต่อระหว่างเครื่องกับตัวดัง รถยนต์ใหม่แล้วหลังจากติดตั้ง

หมายเหตุ:

- ใช้พิมพ์ด้วยไฟฟ้าแทนไฟฟ้า หากไฟฟ้าสูดดับอย่าง ไฟบริการร้า น้ำยาครีมสีเขียวของรถยนต์ JVC
- ข้อมูลนี้สำหรับไฟฟ้า ที่มีกำลังขั้วสูงสุดเกินกว่า 50 W (ทั้งงานหน้าและด้านหลัง มีความต้านทาน 4 Ω ถึง 8 Ω) ถ้ากำลังขั้วต่ำกว่า 50 W ให้เปลี่ยนค่า "AMP GAIN" เพื่อป้องกันไม่ไฟฟ้าเผาชุด (อุบัติ 14 คำแนะนำ)
- การป้องกันการลัดวงจร จะดองพันขั้วสายต่างๆ ที่ไม่ใช้แล้วด้วยเทา พันสายไฟ
- แผ่นระบายความร้อนจะร้อนมากหลังจากใช้ ระมัดระวังห้ามสัมผัสเมื่อถอดชุดประกอบนี้

A

Typical connections / การเชื่อมต่อแบบปกติ

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this receiver.

The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord in the order specified in the illustration below.

2 Connect the antenna cord.

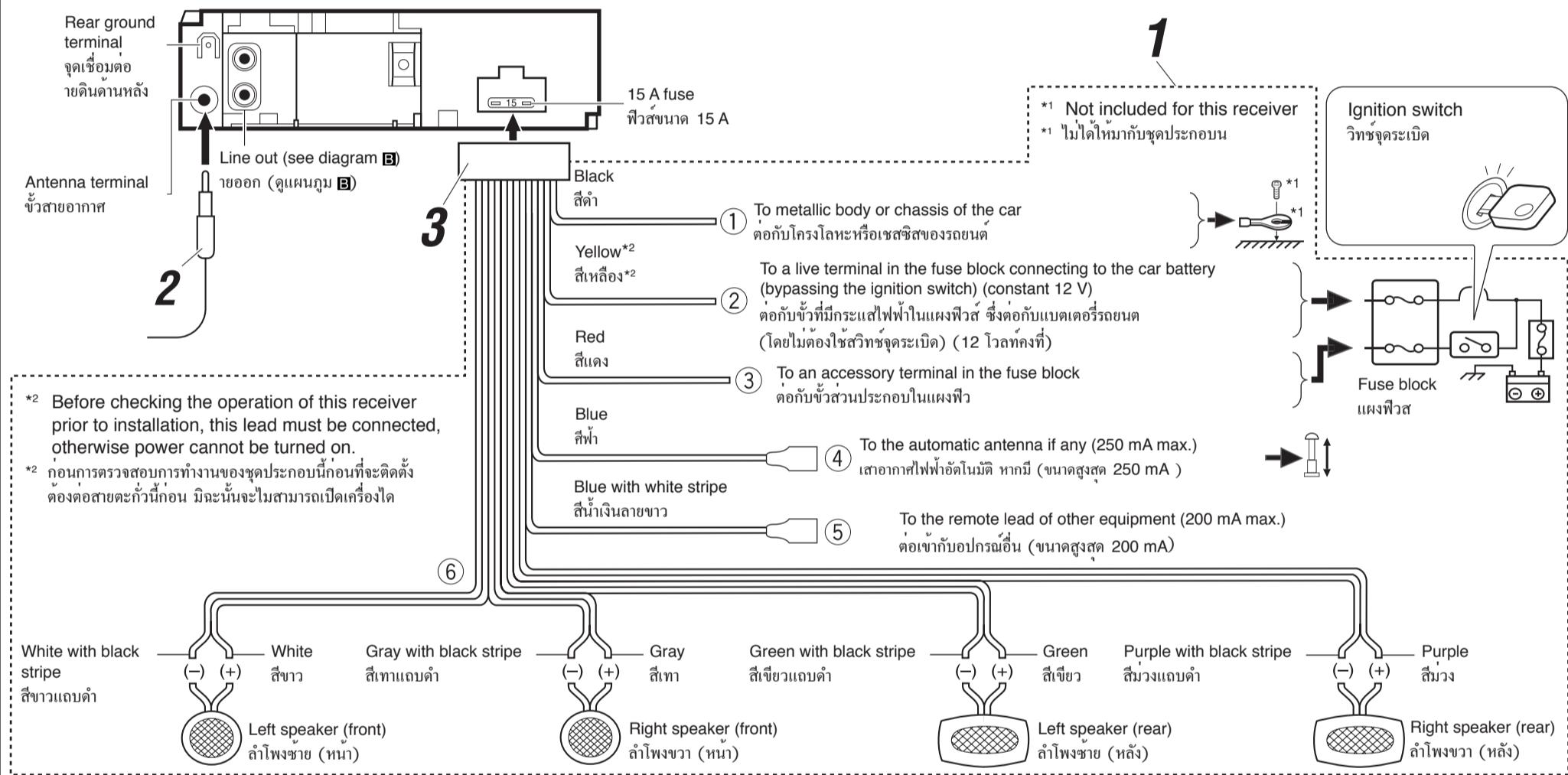
3 Finally connect the wiring harness to the receiver.

กอศหากำตพลเชื่อมต่อ: ตรวจสอบ ออกแบบเดิม ไฟฟ้าโดยคิดถึงค่าที่ต้องการ เชื่อมต่อทุกด้านทุกด้าน ไฟฟ้าโดยใช้สายไฟฟ้า กระแสอุปกรณ์ต่อเชื่อมต่อจากตัวดัก คงความนิ่มไม่เหมือนกัน

1 ต่อสายไฟเดิมตามลำดับที่ระบุในรูปด้านล่าง

2 เชื่อมต่อสายอากาศ

3 ต่อท้าย ต่อส่วนความคุณการเดินสายไฟเข้ากับชุดประกอบนี้



B Connecting the external amplifier / การต่อเพิ่มเติมเข้ากับอุปกรณ์อื่น

You can connect an amplifier to upgrade your car stereo system.

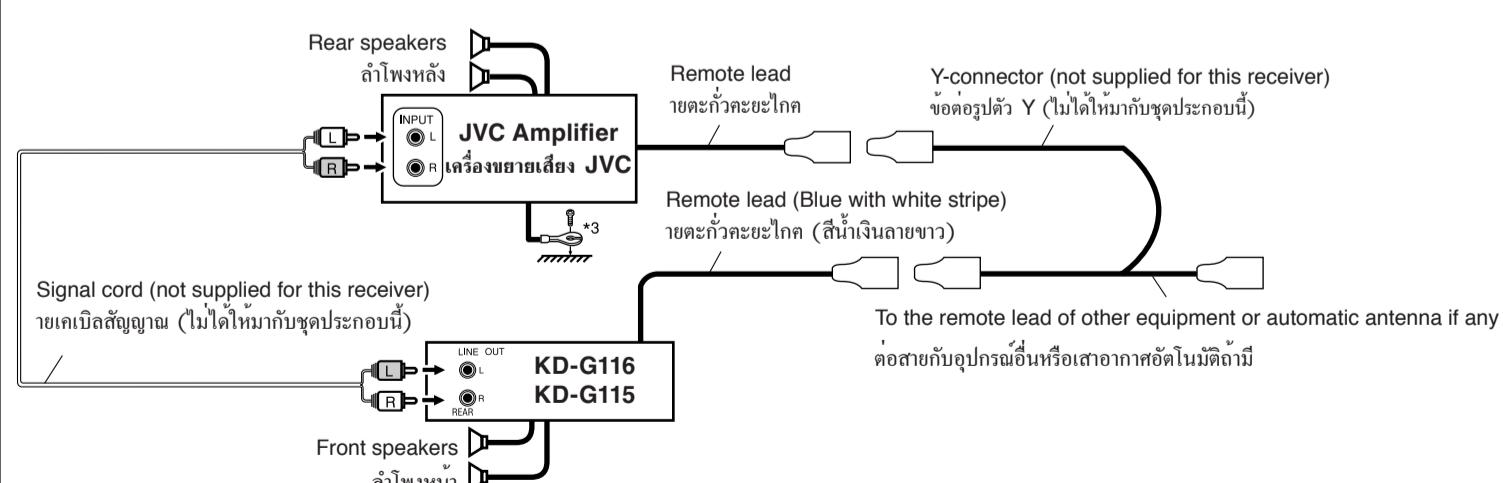
• Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this receiver.

• Disconnect the speakers from this receiver, connect them to the amplifier. Leave the speaker leads of this receiver unused.

คุณสามารถต่อสายไฟเดิมเพื่อเพิ่มคุณภาพเสียงให้กับระบบสเตอริโอของรถยนต์

- ต่อสายต่อที่รับสัญญาณ (สายไฟฟ้าเดียว) เข้ากับสายต่อที่รับสัญญาณของอุปกรณ์อื่น ๆ เพื่อจะสามารถควบคุมโดยชุดประภับนี้ได้

• ถอดสายไฟฟ้าเดียวที่ต่อเข้ากับชุดประกอบนี้ แล้วต่อเข้ากับเครื่องขยาย ทั้งสายต่อที่รับไฟฟ้าของอุปกรณ์นี้ไว้

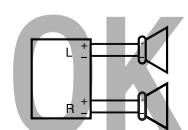
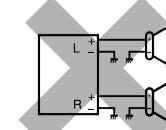
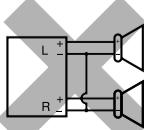


PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the receiver will be seriously damaged.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

ข้อควรระวังสำหรับการต่อสายไฟฟ้าและลำโพง:

- อย่าต่อสายต่อที่รับสัญญาณ (สายไฟฟ้าเดียว) เข้ากับสายต่อที่รับสัญญาณของอุปกรณ์นี้ นิจจะนั้น ชุดประกอบจะได้รับความเสียหายมาก
- ก่อนที่จะต่อสายต่อที่รับสัญญาณ (สายไฟฟ้าเดียว) เข้ากับลำโพง ให้ตรวจสอบการเดินสายไฟเข้ากับสายไฟฟ้าในรถของคุณให้เรียบร้อยเสียก่อน





CD RECEIVER

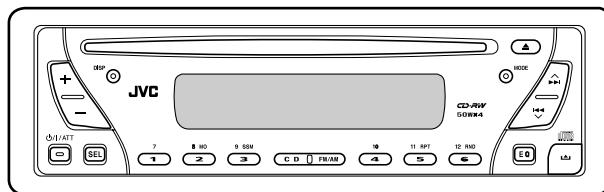
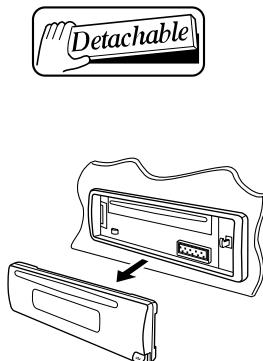
KD-G116/KD-G115

ENGLISH

ALAT PENERIMA CD

KD-G116/KD-G115

INDONESIA



For canceling the display demonstration, see page 7.
Untuk membatalkan tampilan demonstrasi, lihat halaman 7.

For installation and connections, refer to the separate manual.
Untuk instalasi dan penyambungan, lihat buku pedoman terpisah.

INSTRUCTIONS BUKU PETUNJUK

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. **CLASS 1 LASER PRODUCT**
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. **REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.**

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.

ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler.

VARNING : Synlig och osynlig laserstrålning när enhetens lås är urkopplad.

VARO : Avlattessa ja suojaalukkuus on näkyvällä ja näkymätönmäille laserstråleilla. Vältä sääteen kohdustaumista itseesi. (I)

Warning:

If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

How to reset your unit



- This will reset the microcomputer. Your preset adjustments will also be erased.
- If a disc is loaded, it will eject. Be careful not to drop the disc.

How to forcibly eject a disc

If a disc cannot be recognized by the receiver or cannot be ejected, ejects the disc as follows.



- If this does not work, try to reset your receiver.
- Be careful not to drop the disc when it ejects.

Contents

ENGLISH

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*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

■ How to read this manual

The following methods are used to made the explanations simple and easy-to-understand:

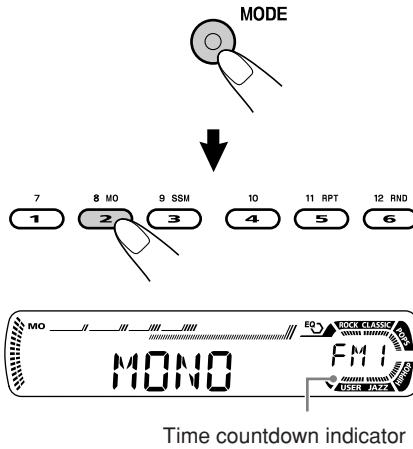
- Some related tips and notes are explained in “More about this receiver” (see page 17).
- Button operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

■ How to use the MODE button

If you press MODE, the receiver goes into functions mode, then the number buttons work as different function buttons.

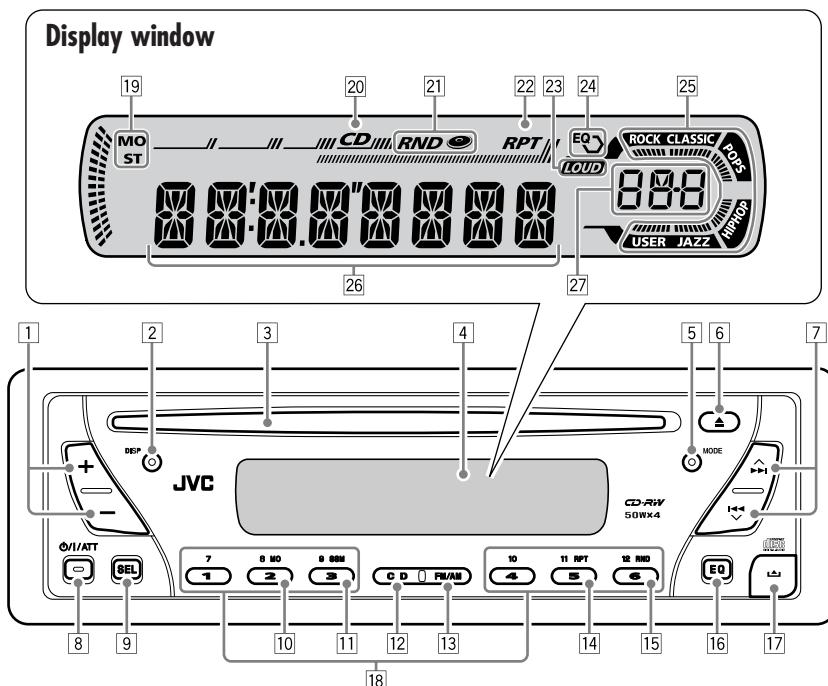
Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Parts identification



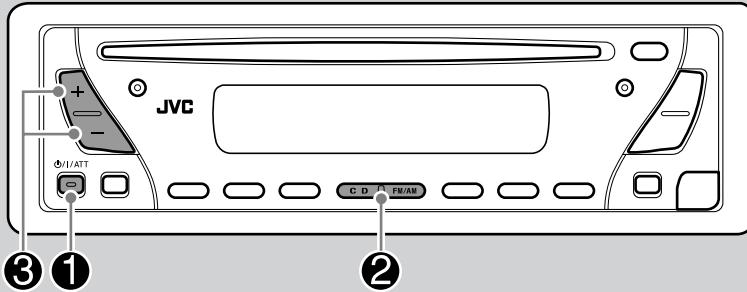
- 1 +/- buttons
- 2 DISP (display) button
- 3 Loading slot
- 4 Display window
- 5 MODE button
- 6 ▲ (eject) button
- 7 ▲▶▶◀◀▼ buttons
- 8 Ⓛ/I/ATT (standby/on/attenuator) button
- 9 SEL (select) button
- 10 MO (monaural) button
- 11 SSM (Strong-station Sequential Memory) button
- 12 CD button
- 13 FM/AM button
- 14 RPT (repeat) button
- 15 RND (random) button
- 16 EQ (equalizer) button
- 17 ▲ (control panel release) button
- 18 Number buttons

Display window

- 19 Tuner reception indicators
MO (monaural), ST (stereo)
- 20 CD indicator
- 21 RND (disc random) indicator
- 22 RPT (repeat) indicator
- 23 LOUD (loudness) indicator
- 24 EQ (equalizer) indicator
- 25 Sound mode (C-EQ: custom equalizer) indicators
ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
 - *||||| also works as the time countdown indicator.*
- 26 Main display
- 27 Source display
Volume level indicator

Getting started

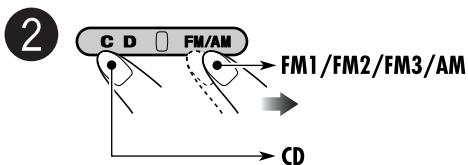
Basic operations



To drop the volume in a moment (ATT)



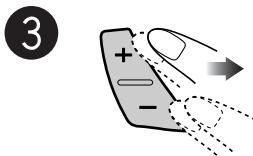
To restore the sound, press it again.



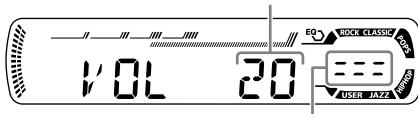
To turn off the power



You cannot select "CD" as the playback source if there is no disc in the loading slot.



Volume level appears.



Caution on volume setting:

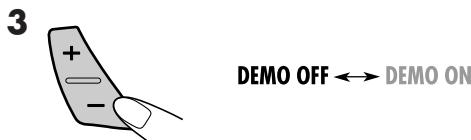
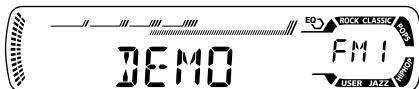
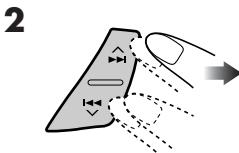
Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

4 Adjust the sound as you want.
(See pages 12 and 13.)

Canceling the display demonstrations

If no operations are done for about 20 seconds, display demonstration starts.

[Initial: DEMO ON]—see page 14.



4 Finish the procedure.



To activate the display demonstration

In step 3 above...



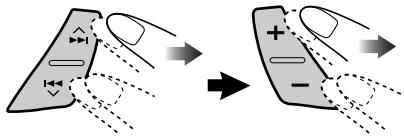
DEMO OFF ↔ DEMO ON

Setting the clock



2 Set the hour and minute.

- 1 Select “CLOCK H” (hour), then adjust the hour.
- 2 Select “CLOCK M” (minute), then adjust the minute.



3 Finish the procedure.

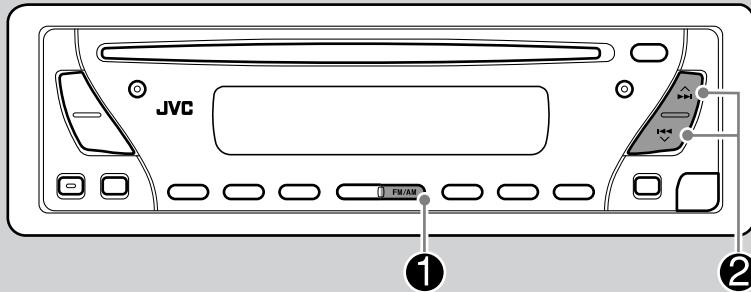


To check the current clock time when the receiver is turned off



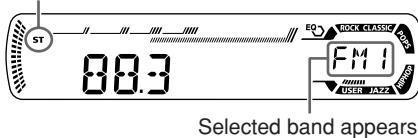
Radio operations

Listening to the radio

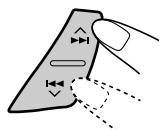


1  FM1 → FM2 → FM3
AM ←

Lights up when receiving an FM stereo broadcast with sufficient signal strength.



2 Start searching for a station.

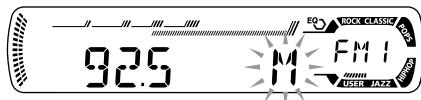
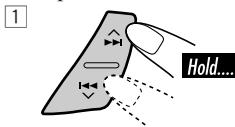


When a station is received, searching stops.

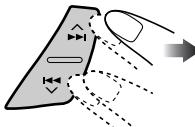
To stop searching, press the same button again.

To tune in to a station manually

In step ② above...



2 Select the desired station frequencies.



When an FM stereo broadcast is hard to receive

1  MODE

2  8 MO

Lights up when monaural mode is activated.



Reception improves, but stereo effect will be lost.

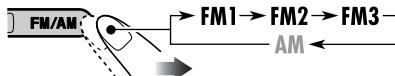
To restore the stereo effect, repeat the same procedure so that the MO indicator goes off.

Storing stations in memory

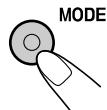
You can preset six stations for each band.

FM station automatic presetting— SSM (Strong-station Sequential Memory)

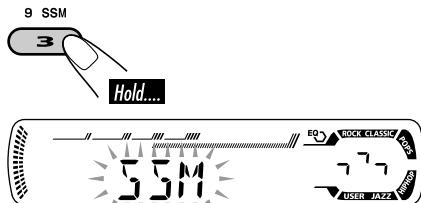
- 1 Select the FM band (FM1 – FM3) you want to store into.



- 2



- 3



“SSM” flashes, then disappears when automatic presetting is over.

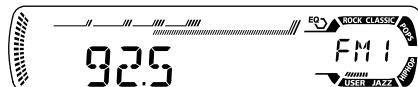
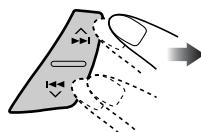
Local FM stations with the strongest signals are searched and stored automatically in the FM band.

Manual presetting

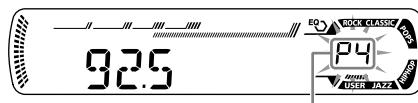
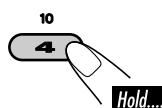
Ex.: Storing FM station of 92.5 MHz into the preset number 4 of the FM1 band.



- 2



- 3



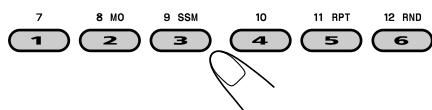
Preset number flashes for a while.

Listening to a preset station

- 1



- 2 Select the preset station (1 – 6) you want.



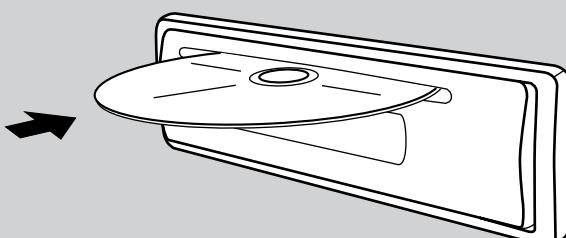
To check the current clock time while listening to an FM or AM station



Frequency ↔ Clock

Disc operations

Playing a disc



All tracks will be played repeatedly until you stop playback.



Total playing time of the inserted disc

Total track number of the inserted disc



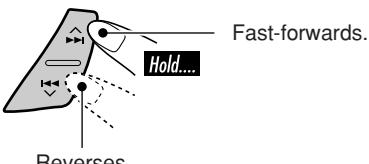
Elapsed playing time

Current track number

To stop play and eject the disc

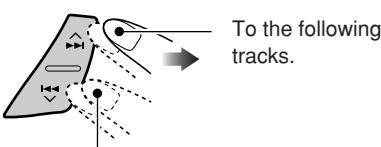


To fast-forward or reverse the track



Reverses.

To go to the next or previous tracks



To the beginning of the current track, then the previous tracks.

To go to a particular track directly

To select a number from 01 – 06:

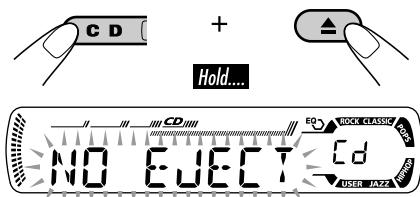


To select a number from 07 – 12:



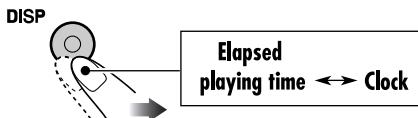
■ Prohibiting disc ejection

You can lock a disc in the loading slot.



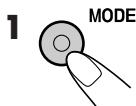
To cancel the prohibition, repeat the same procedure.

To check the current clock time while listening to a disc



Selecting the playback modes

You can use only one of the following playback modes at a time.



2 Select your desired playback mode.

Repeat play

11 RPT



Ex.: When "TRK RPT" is selected

Mode

Plays repeatedly

TRK RPT: The current track.

- RPT lights up.

RPT OFF: Cancels repeat play.

Random play

12 RND



Ex.: When "DISC RND" is selected

Mode

Plays at random

DISC RND: All tracks of the current disc.

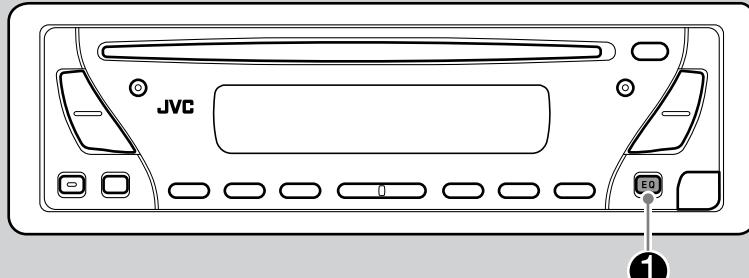
- RND  lights up.

RND OFF: Cancels random play.

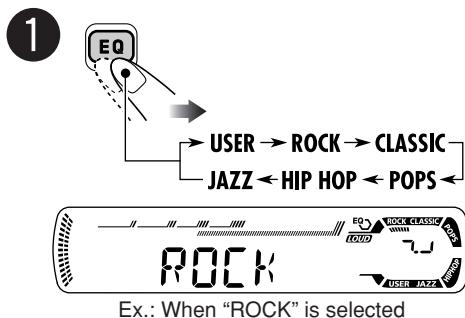
Sound adjustments

ENGLISH

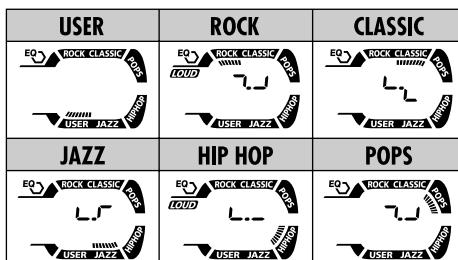
Selecting preset sound modes (C-EQ: custom equalizer)



You can select a preset sound mode suitable to the music genre.



Indication pattern for each sound mode:



Indication	For:	Preset values		
		BAS* ¹	TRE* ²	LOUD* ³
USER	(Flat sound)	00	00	OFF
ROCK	Rock or disco music	+03	+01	ON
CLASSIC	Classical music	+01	-02	OFF
POPS	Light music	+04	+01	OFF
HIP HOP	Funk or rap music	+02	00	ON
JAZZ	Jazz music	+02	+03	OFF

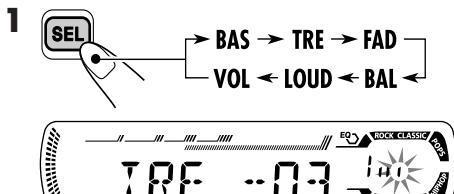
*1 BAS: Bass

*2 TRE: Treble

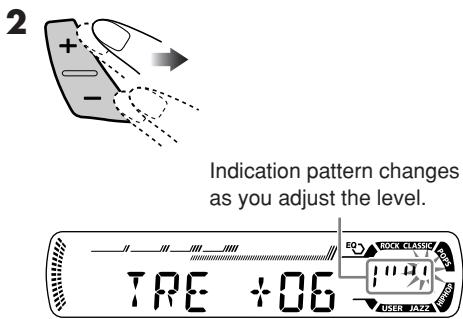
*3 LOUD: Loudness

Adjusting the sound

You can adjust the sound characteristics to your preference.



Ex.: When "TRE" is selected



Indication	To do:	Range
BAS*1 (bass)	Adjust the bass.	-06 (min.) to +06 (max.)
TRE*1 (treble)	Adjust the treble.	-06 (min.) to +06 (max.)
FAD*2 (fader)	Adjust the front and rear speaker balance.	R06 (Rear only) to F06 (Front only)
BAL (balance)	Adjust the left and right speaker balance.	L06 (Left only) to R06 (Right only)
LOUD*1 (loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON ↓ LOUD OFF
VOL*3 (volume)	Adjust the volume.	00 (min.) to 30 or 50 (max.)*4

*1 When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."

*2 If you are using a two-speaker system, set the fader level to "00."

*3 Normally the +/- buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.

*4 Depending on the amplifier gain control setting. (See page 14 for details.)

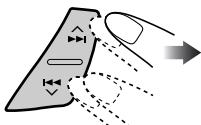
General settings — PSM

Basic procedure

You can change PSM (Preferred Setting Mode) items listed in the table that follows.

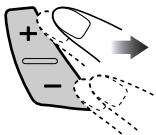


2 Select a PSM item.



Ex.: When you select "AMP GAIN"

3 Adjust the PSM item selected.



4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

5 Finish the procedure.



Indications

Selectable settings, [reference page]

DEMO

Display demonstration

DEMO ON: *[Initial]*; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7].

DEMO OFF: Cancels.

CLOCK H

Hour adjustment

1 – 12, [7]

[Initial: 1 (1:00)]

CLOCK M

Minute adjustment

00 – 59, [7]

[Initial: 00 (1:00)]

AMP GAIN

Amplifier gain control

You can change the maximum volume level of this receiver.

LOW PWR: VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from damaging the speaker.)

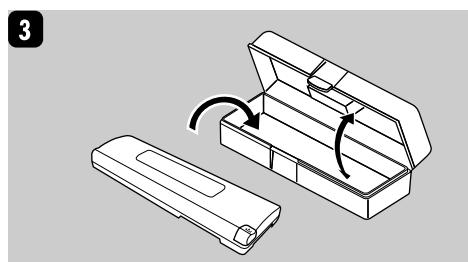
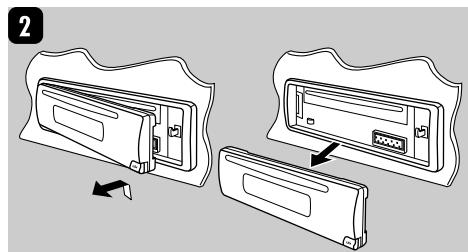
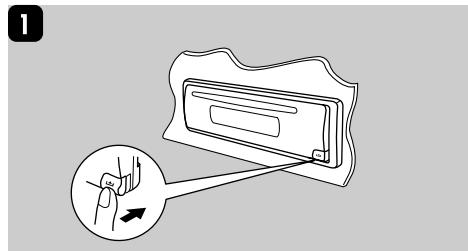
HIGH PWR: *[Initial]*; VOL 00 – VOL 50

Detaching the control panel

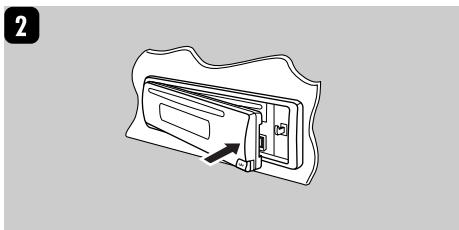
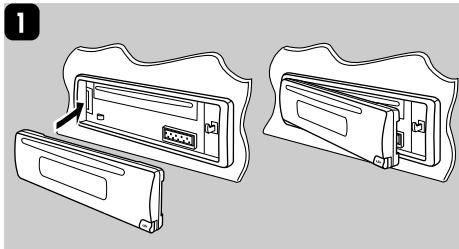
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

Detaching the control panel

Before detaching the control panel, be sure to turn off the power.



Attaching the control panel

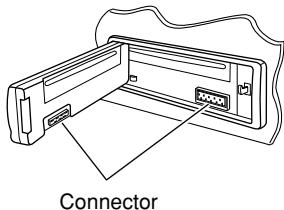


Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.



To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this receiver may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the receiver turned on for a few hours until the moisture evaporates.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

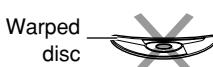
When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

Center holder



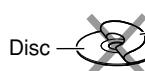
Do not use the following discs:



Warped disc



Sticker
residue



Stick-on
label

More about this receiver

Basic operations

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and stations are stored newly.
 - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
 - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

General

- This receiver has been designed to reproduce CDs, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA) format.
- When a disc has been loaded, selecting “CD” for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, the disc automatically ejects.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a CD-R or CD-RW

- Use only “finalized” CD-Rs or CD-RWs.
- This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.

- Some CD-Rs or CD-RWs may not play back on this receiver because of their disc characteristics, and for the following causes:
 - Discs are dirty or scratched.

- Moisture condensation occurs on the lens inside the receiver.
- The pickup lens inside the receiver is dirty.
- CD-R or CD-RW on which the files are written with “Packet Write” method.
- There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).

- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs.

Changing the source

- If you change the source, playback also stops (without ejecting the disc). Next time you select “CD” for the playback source, disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

General settings—PSM

- If you change the “AMP GAIN” setting from “HIGH PWR” to “LOW PWR” while the volume level is set higher than “VOL 30,” the receiver automatically changes the volume level to “VOL 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none">• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none">• The receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).
FM/AM	<ul style="list-style-type: none">• SSM automatic presetting does not work.• Static noise while listening to the radio.	Signals are too weak. The antenna is not connected firmly.	Store stations manually. Connect the antenna firmly.
Disc playback	<ul style="list-style-type: none">• Disc automatically ejects.• CD-R/CD-RW cannot be played back.• Tracks on the CD-R/CD-RW cannot be skipped.	Disc is inserted upside down. CD-R/CD-RW is not finalized.	Insert the disc correctly. <ul style="list-style-type: none">• Insert a finalized CD-R/CD-RW.• Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none">• Disc can be neither played back nor ejected.	Disc is locked.	Unlock the disc (see page 11).
		The CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).
	<ul style="list-style-type: none">• Disc sound is sometimes interrupted.	You are driving on rough roads. Disc is scratched.	Stop playback while driving on rough roads. Change the disc.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none">• “NO DISC” appears on the display.	No disc is in the loading slot. Disc is inserted incorrectly.	Insert a disc into the loading slot. Insert the disc correctly.

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel
Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than 0.8%
total harmonic distortion.
Rear: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than 0.8%
total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Tone Control Range:

Bass: ±10 dB at 100 Hz
Treble: ±10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

2.0 V/20 kΩ load (full scale)

Output Impedance: 1 kΩ

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz
AM: 531 kHz to 1 602 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μV/75 Ω)

Alternate Channel Selectivity (400 kHz): 65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μV

Selectivity: 35 dB

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement:

Operating Voltage:
DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature: 0°C to +40°C

Dimensions (W × H × D):

Installation Size (approx.):
182 mm × 52 mm × 150 mm

Panel Size (approx.):
188 mm × 58 mm × 11 mm

Mass (approx.): 1.3 kg (excluding accessories)

*Design and specifications are subject to change
without notice.*

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

The JVC logo is a bold, black, sans-serif font. The letters 'J' and 'V' are stacked vertically, with 'J' on top and 'V' on the bottom. To the right of 'V', the letter 'C' is positioned, also in a bold, black, sans-serif font.

EN, IN

© 2004 Victor Company of Japan, Limited

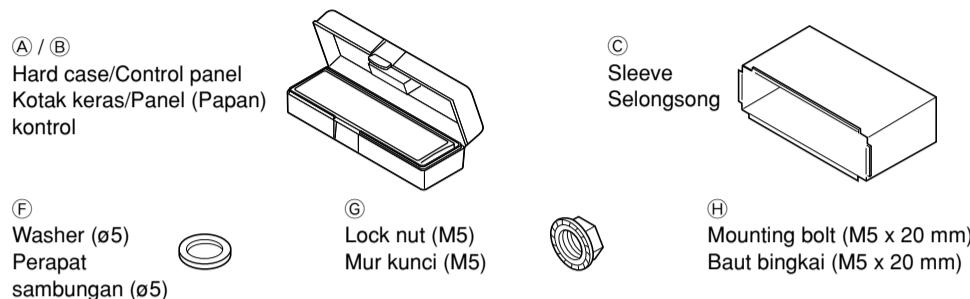
1004DTSMDTJEIN

ENGLISH

This receiver is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

Parts list for installation and connection

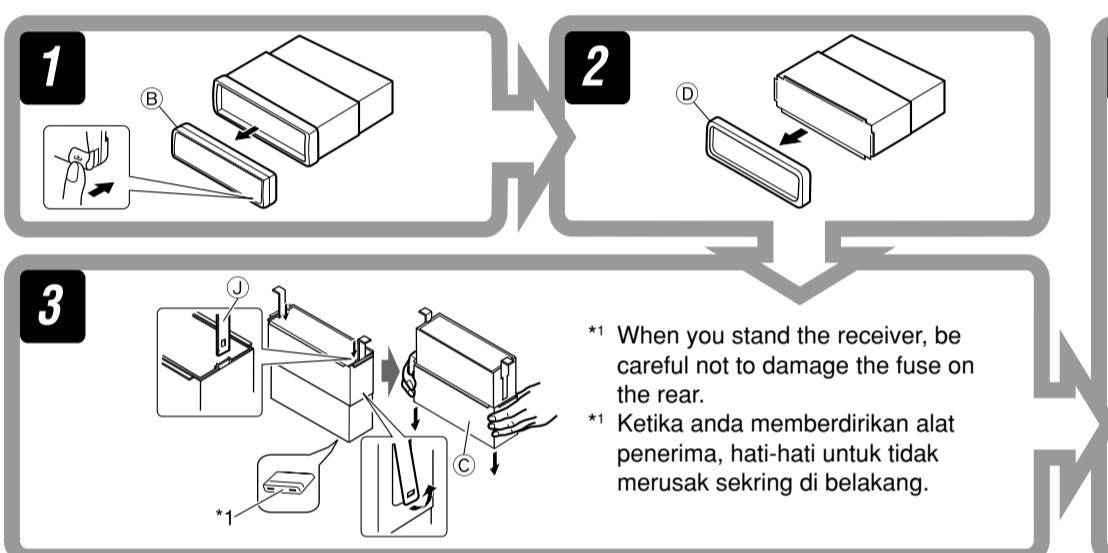
The following parts are provided for this receiver.
After checking them, please set them correctly.



INSTALLATION (IN-DASH MOUNTING)

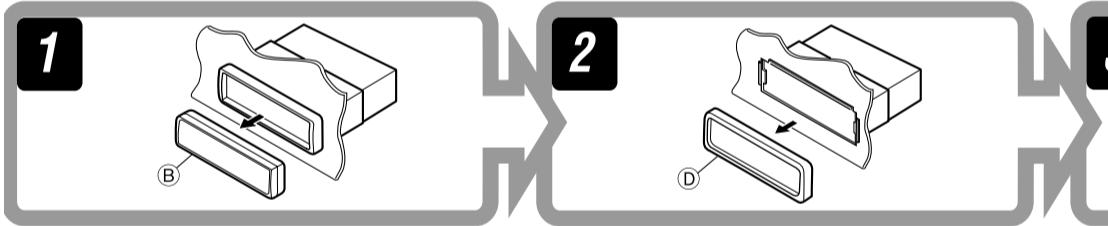
The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

- If you are not sure how to install this receiver correctly, have it installed by a qualified technician.

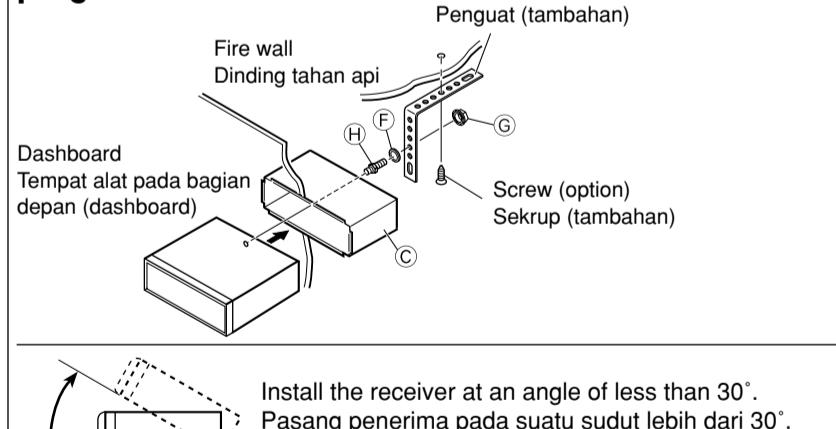


Removing the receiver

Before removing the receiver, release the rear section.



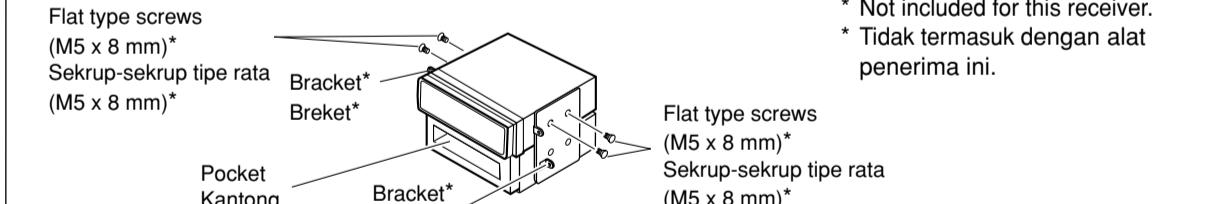
When using the optional stay / Ketika menggunakan penguat tambahan



Install the receiver at an angle of less than 30°.
Pasang penerima pada suatu sudut lebih dari 30°.

When installing the receiver without using the sleeve / Ketika memasang alat penerima tanpa menggunakan selongsong

In a Toyota for example, first remove the car radio and install the receiver in its place.
Dalam sebuah Toyota misalnya, pertama pindahkan radio mobil dan pasang alat penerima tersebut ke dalam tempatnya.



Note : When installing the receiver on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the receiver.

Catatan: Ketika memasang alat penerima pada breket bingkai, pastikan untuk menggunakan sekrup-skru panjang-8 mm. Jika sekrup yang lebih panjang digunakan, maka dapat merusak alat penerima.

* Not included for this receiver.
* Tidak termasuk dengan alat penerima ini.

TROUBLESHOOTING

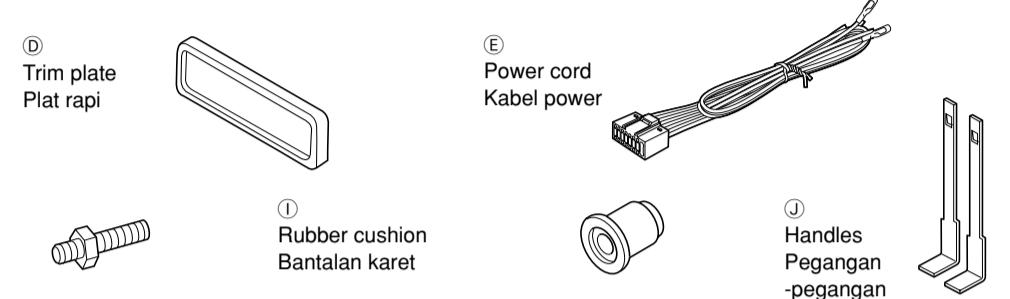
- The fuse blows.**
* Are the red and black leads connected correctly?
- Power cannot be turned on.**
* Is the yellow lead connected?
- No sound from the speakers.**
* Is the speaker output lead short-circuited?
- Sound is distorted.**
* Is the speaker output lead grounded?
* Are the “-” terminals of L and R speakers grounded in common?
- Noise interfere with sounds.**
* Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- Receiver becomes hot.**
* Is the speaker output lead grounded?
* Are the “-” terminals of L and R speakers grounded in common?
- This receiver does not work at all.**
* Have you reset your receiver?

INDONESIA

Alat penerima ini didisain untuk beroperasi hanya pada **12 V DC, sistem listrik tanah NEGATIVE**. Jika kendaraan anda tidak memiliki sistem ini, sebuah pembalik tegangan diperlukan, yang mana dapat dibeli di penyalur-penyalur audio mobil JVC.

Daftar bagian-bagian untuk pemasangan dan penyambungan

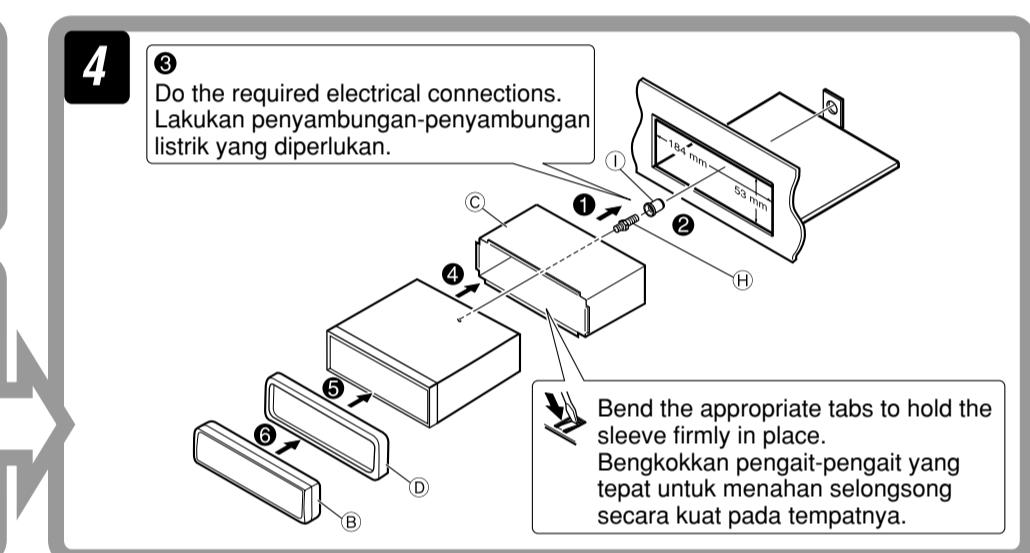
Bagian-bagian berikut disediakan untuk alat penerima ini.
Setelah mengecek bagian-bagian tersebut, silahkan atur bagian-bagian itu.



PEMASANGAN (BINGKAI-DALAM DASH)

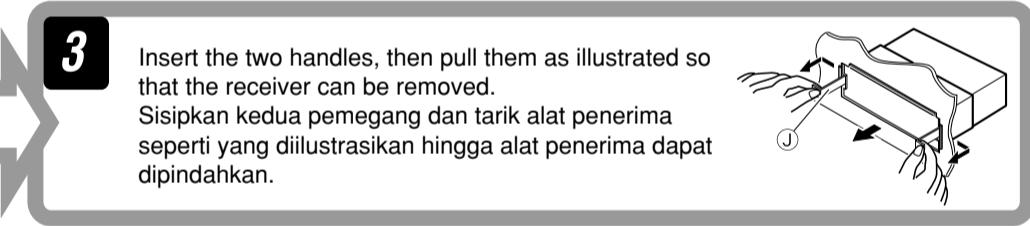
Ilustrasi berikut menunjukkan sebuah tipe pemasangan. Jika anda mempunyai suatu pertanyaan atau informasi yang diperlukan mengenai alat-alat pemasangan, konsultasikan pada penyalur audio mobil JVC atau sebuah perusahaan yang mensuplai alat-alat.

- Jika anda tidak yakin bagaimana memasang alat penerima ini dengan benar, biarkan dipasang dengan teknisi yang berkualitas.

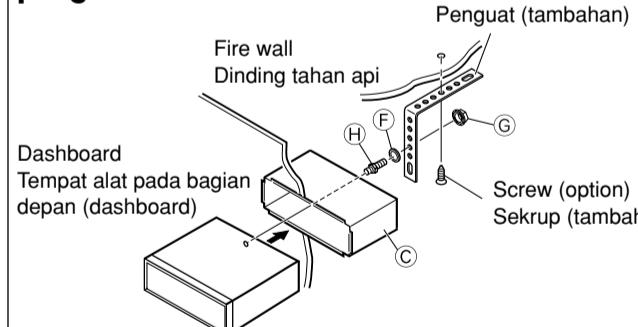


Memindahkan alat penerima

Sebelum memindahkan alat penerima, lepaskan seksi belakang.



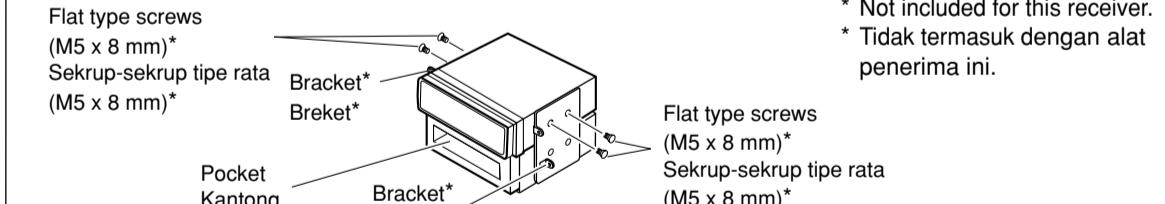
When using the optional stay / Ketika menggunakan penguat tambahan



Install the receiver at an angle of less than 30°.
Pasang penerima pada suatu sudut lebih dari 30°.

When installing the receiver without using the sleeve / Ketika memasang alat penerima tanpa menggunakan selongsong

In a Toyota for example, first remove the car radio and install the receiver in its place.
Dalam sebuah Toyota misalnya, pertama pindahkan radio mobil dan pasang alat penerima tersebut ke dalam tempatnya.



Note : When installing the receiver on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the receiver.

Catatan: Ketika memasang alat penerima pada breket bingkai, pastikan untuk menggunakan sekrup-skru panjang-8 mm. Jika sekrup yang lebih panjang digunakan, maka dapat merusak alat penerima.

PEMECAHAN MASALAH

- Sekring meledak.**
* Apakah ujung-ujung merah dan hitam tersambung dengan benar?
- Power tidak dapat dihidupkan.**
* Apakah ujung kuning sudah tersambung?
- Tidak ada suara dari speaker.**
* Apakah ujung keluaran speaker terhubung pendek?
- Suara terdistorsi.**
* Apakah ujung keluaran speaker sudah ditanahkan?
* Apakah terminal-terminal “-” dari speaker-speker L dan R ditanahkan secara umum?
- Berisik yang mengganggu suara-suara.**
* Apakah terminal tanahan belakang tersambung ke casis mobil menggunakan kabel-kabel terpendek dan tertebal?
- Alat penerima menjadi panas.**
* Apakah ujung keluaran speaker sudah ditanahkan?
* Apakah terminal-terminal “-” dari speaker-speker L dan R sudah ditanahkan secara umum?
- Alat penerima ini tidak bekerja secara keseluruhan.**
* Apakah anda sudah reset (memasang kembali) alat penerima anda?

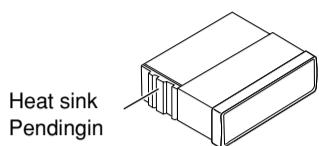
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the receiver.

- Be sure to ground this receiver to the car's chassis again after installation.

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this receiver.



SAMBUNGAN-SAMBUNGAN LISTRIK

Untuk mencegah hubungan pendek, kami menyarankan anda memutuskan sambungan terminal negatif baterai dan membuat semua sambungan-sambungan listrik sebelum memasang alat penerima.

- Pastikan untuk mentanahkan alat penerima ini ke casis mobil kembali setelah pemasangan.

Catatan:

- Ganti sekring dengan voltase yang sudah ditetapkan. Jika sekring sering meledak, konsultasikan pada penyulur audio mobil JVC anda.
- Disarankan untuk menghubungkan speaker-speker dengan maksimum power lebih dari 50 W (keduanya di belakang dan di depan, dengan sebuah impedansi **4 Ω sampai 8 Ω**). Jika maksimum power kurang dari 50 W, ganti pengaturan "AMP GAIN" ("PENAMBAH PENGUAT") untuk mencegah speaker-speker dari kerusakan (lihat halaman 14 dari BUKU PETUNJUK).
- Untuk mencegah hubungan pendek, tutup ujung-ujung terminal-terminal **TIDAK DIGUNAKAN** dengan pita isolasi.
- Pendingin menjadi sangat panas setelah digunakan. Hati-hati untuk tidak menyentuhnya ketika memindahkan alat penerima ini.

A Typical connections / Ciri khas sambungan-sambungan

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this receiver.

The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord in the order specified in the illustration below.

2 Connect the antenna cord.

3 Finally connect the wiring harness to the receiver.

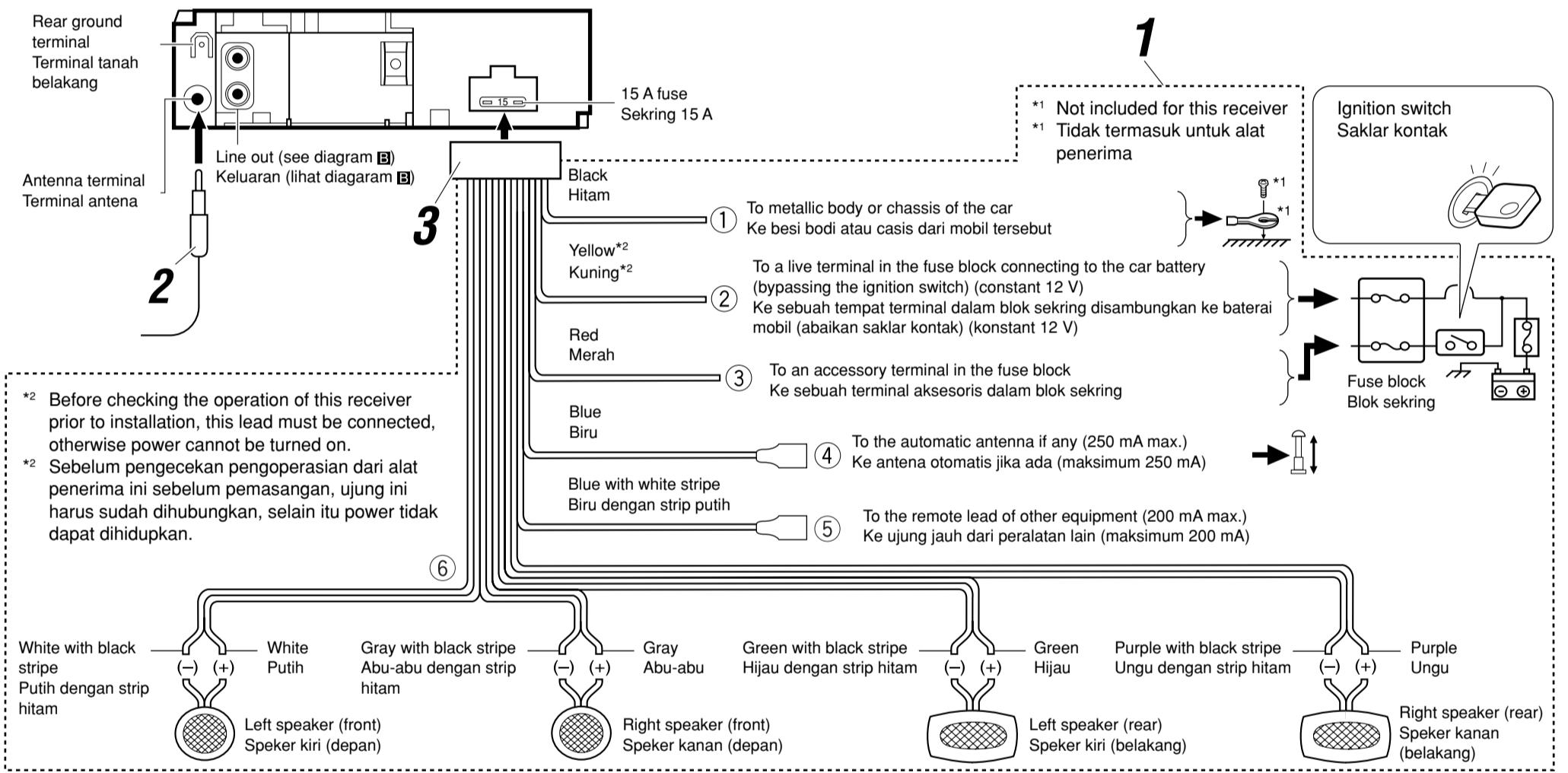
Sebelum penyambungan: Cek perkabelan dalam mobil dengan hati-hati. Penyambungan yang tidak benar mungkin menyebabkan kerusakan serius pada alat penerima.

Ujung dari kabel power dan beberapa konektor dari bodi mobil mungkin berbeda dalam warna.

1 Sambungkan ujung berwarna dari kabel power dalam urutan spesifikasi pada ilustrasi di bawah.

2 Sambungkan kabel antena.

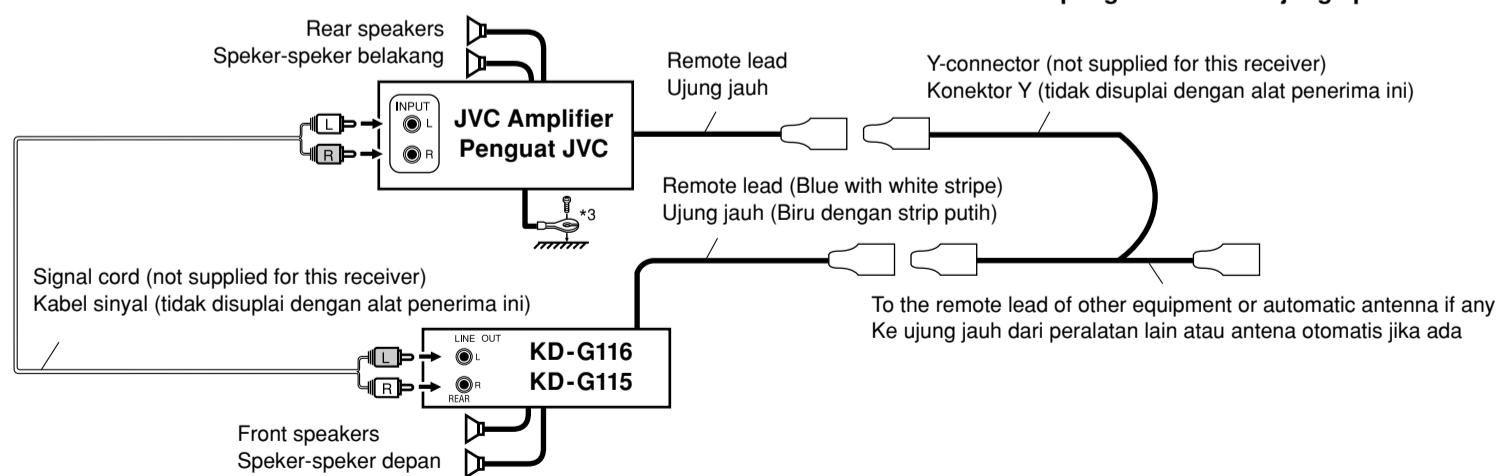
3 Akhirnya sambungkan dudukan kabel ke alat penerima.



B Connecting the external amplifier / Menyambung penguat luar

You can connect an amplifier to upgrade your car stereo system.

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this receiver.
- Disconnect the speakers from this receiver, connect them to the amplifier. Leave the speaker leads of this receiver unused.



Anda dapat menyambung sebuah penguat dan peralatan lain untuk meningkatkan sistem stereo mobil anda.

- Sambungkan ujung jauh (biru dengan strip putih) ke ujung jauh dari peralatan lain sehingga dapat dikontrol melalui alat penerima ini.
- **Putuskan sambungan speaker-speker dari alat penerima ini, sambungkan ini ke penguat. Biarkan ujung speaker dari alat penerima ini tidak digunakan.**

*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the receiver.

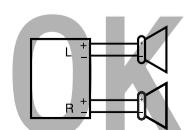
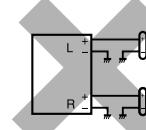
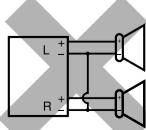
*3 Pasangkan dengan kuat kabel tanah ke bodi besi atau ke casis dari mobil—pada tempat yang tidak dilapisi cat (jika dilapisi cat, hilangkan cat sebelum memasang kabel). Kegagalan melakukan ini mungkin menyebabkan kerusakan pada alat penerima tersebut.

PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the receiver will be seriously damaged.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

TINDAKAN-TINDAKAN PENCEGAHAN pada suplai power dan sambungan-sambungan speaker:

- **JANGAN** sambungkan ujung-ujung speaker dari kabel power ke baterai mobil; sebaliknya, alat penerima tersebut akan secara serius rusak.
- **SEBELUM** menyambung ujung-ujung speaker dari kabel power ke speaker-speker, cek perkabelan speaker dalam mobil anda.



JVC



CD RECEIVER

KD-G116/KD-G115

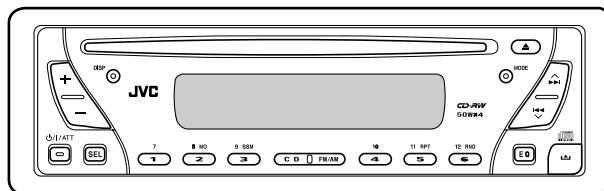
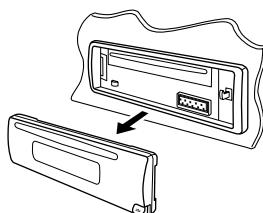
ENGLISH

中

文

CD 收音組合機

KD-G116/KD-G115



For canceling the display demonstration, see page 7.

想要取消屏幕演示功能，參閱第 7 頁。

For installation and connections, refer to the separate manual.

有關安裝和連接方法，分別參閱操作手冊。

INSTRUCTIONS

使用說明書

GET0252-007A
[UT]

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. **CLASS 1 LASER PRODUCT**
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. **REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.**

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.

ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler.

VARNING : Synlig och osynlig laserstrålning när enhetens lås fungerar feligt.

VARO : Avlattessa ja suojailekutsu

AVOID DIRECT EXPOSURE TO BEAM.

Undgå direkte eksponering til strålen.

Undgå direkt eksposning till strålen.

Avlattessa ja suojailekutsu

Warning:

If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

How to reset your unit



- This will reset the microcomputer. Your preset adjustments will also be erased.
- If a disc is loaded, it will eject. Be careful not to drop the disc.

How to forcibly eject a disc

If a disc cannot be recognized by the receiver or cannot be ejected, ejects the disc as follows.



- If this does not work, try to reset your receiver.
- Be careful not to drop the disc when it ejects.

Contents

How to reset your unit	2
How to forcibly eject a disc	2
How to read this manual	4
How to use the MODE button	4
Control panel	
— KD-G116/KD-G115	5
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Basic operations	6
Canceling the display demonstrations ...	7
Setting the clock	7
Radio operations	
Listening to the radio.....	8
Storing stations in memory.....	9
Listening to a preset station	9
Disc operations	10
Playing a disc	10
Selecting the playback modes.....	11
Sound adjustments	12
Selecting preset sound modes	
(C-EQ: custom equalizer)	12
Adjusting the sound	13
General settings — PSM	14
Basic procedure	14
Detaching the control panel....	15
Maintenance	16
More about this receiver	17
Troubleshooting	18
Specifications	19

*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

■ How to read this manual

The following methods are used to made the explanations simple and easy-to-understand:

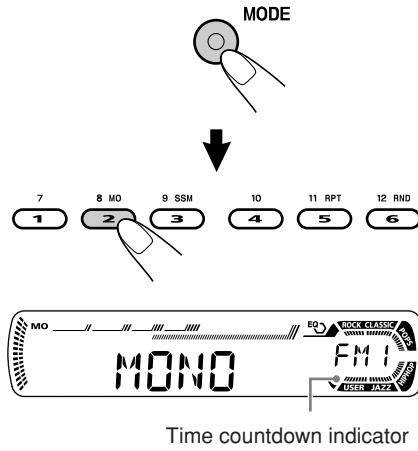
- Some related tips and notes are explained in “More about this receiver” (see page 17).
- Button operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

■ How to use the MODE button

If you press MODE, the receiver goes into functions mode, then the number buttons work as different function buttons.

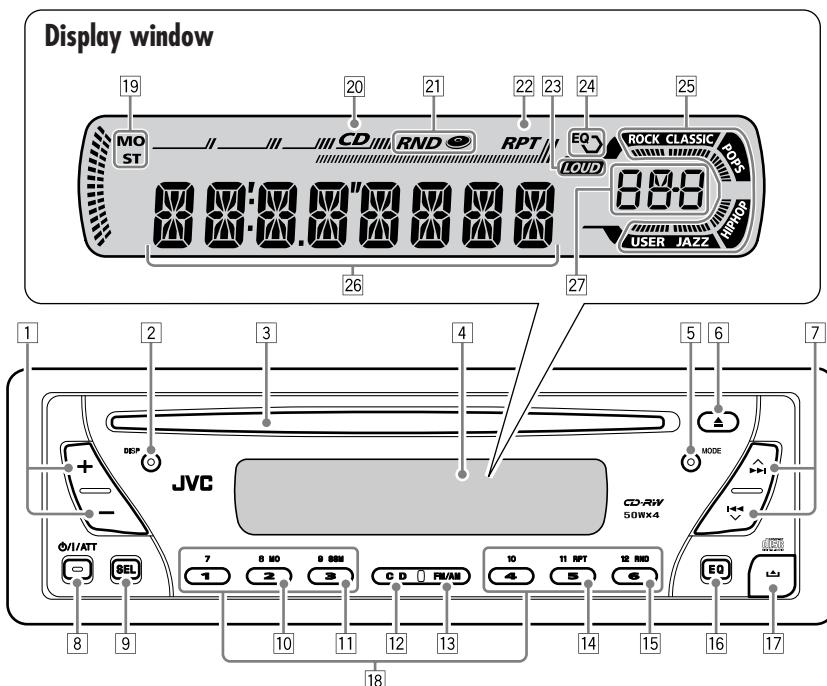
Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Parts identification



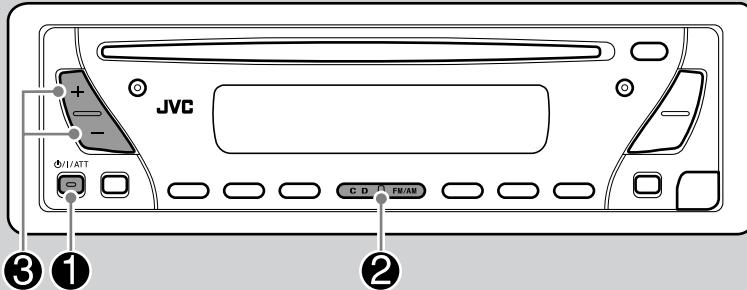
- 1 +/- buttons
- 2 DISP (display) button
- 3 Loading slot
- 4 Display window
- 5 MODE button
- 6 ▲ (eject) button
- 7 ▲▶▶◀◀▼ buttons
- 8 Ⓛ/I/ATT (standby/on/attenuator) button
- 9 SEL (select) button
- 10 MO (monaural) button
- 11 SSM (Strong-station Sequential Memory) button
- 12 CD button
- 13 FM/AM button
- 14 RPT (repeat) button
- 15 RND (random) button
- 16 EQ (equalizer) button
- 17 ▲ (control panel release) button
- 18 Number buttons

Display window

- 19 Tuner reception indicators
MO (monaural), ST (stereo)
- 20 CD indicator
- 21 RND (disc random) indicator
- 22 RPT (repeat) indicator
- 23 LOUD (loudness) indicator
- 24 EQ (equalizer) indicator
- 25 Sound mode (C-EQ: custom equalizer) indicators
ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
 - *||||| also works as the time countdown indicator.*
- 26 Main display
- 27 Source display
Volume level indicator

Getting started

Basic operations



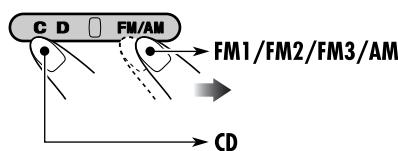
1



JVC

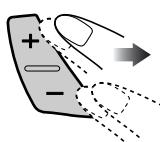


2

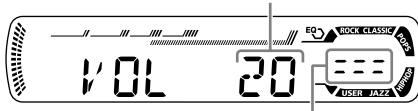


You cannot select "CD" as the playback source if there is no disc in the loading slot.

3



Volume level appears.



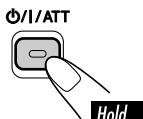
Volume level indicator

To drop the volume in a moment (ATT)



To restore the sound, press it again.

To turn off the power



Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

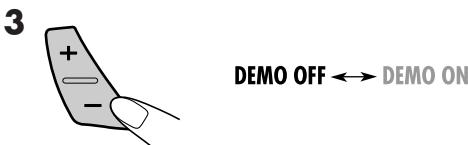
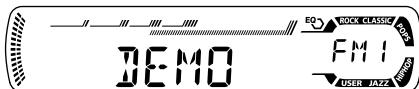
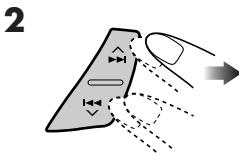
4

Adjust the sound as you want.
(See pages 12 and 13.)

Canceling the display demonstrations

If no operations are done for about 20 seconds, display demonstration starts.

[Initial: DEMO ON]—see page 14.



4 Finish the procedure.



To activate the display demonstration

In step 3 above...



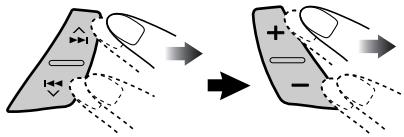
DEMO OFF ↔ DEMO ON

Setting the clock



2 Set the hour and minute.

- 1 Select “CLOCK H” (hour), then adjust the hour.
- 2 Select “CLOCK M” (minute), then adjust the minute.



3 Finish the procedure.

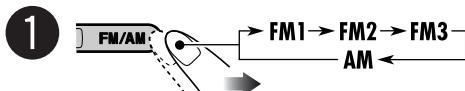
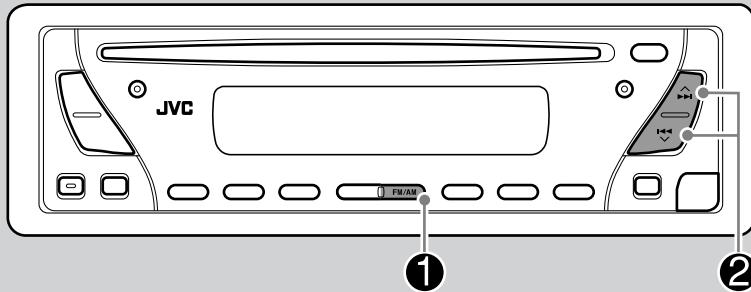


To check the current clock time when the receiver is turned off

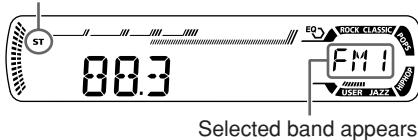


Radio operations

Listening to the radio



Lights up when receiving an FM stereo broadcast with sufficient signal strength.

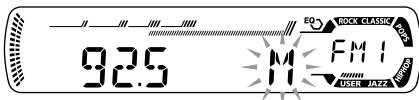
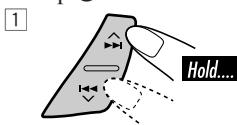


When a station is received, searching stops.

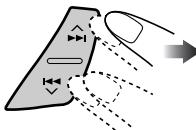
To stop searching, press the same button again.

To tune in to a station manually

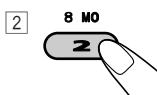
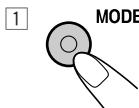
In step ② above...



2 Select the desired station frequencies.



When an FM stereo broadcast is hard to receive



Lights up when monaural mode is activated.



Reception improves, but stereo effect will be lost.

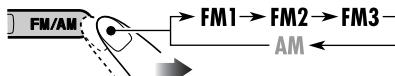
To restore the stereo effect, repeat the same procedure so that the MO indicator goes off.

Storing stations in memory

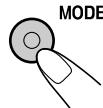
You can preset six stations for each band.

FM station automatic presetting— SSM (Strong-station Sequential Memory)

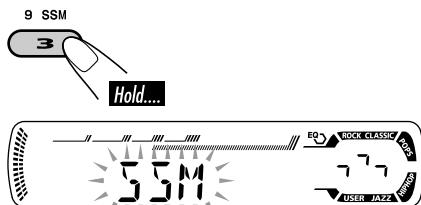
- 1 Select the FM band (FM1 – FM3) you want to store into.



- 2 MODE



- 3



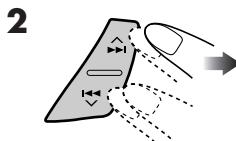
“SSM” flashes, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

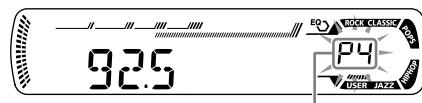
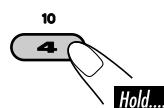
Manual presetting

Ex.: Storing FM station of 92.5 MHz into the preset number 4 of the FM1 band.

- 1



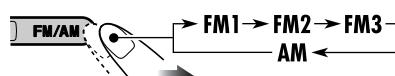
- 3



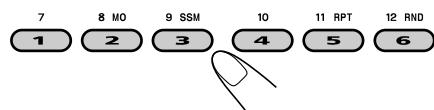
Preset number flashes for a while.

Listening to a preset station

- 1

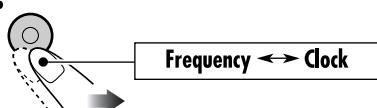


- 2 Select the preset station (1 – 6) you want.



To check the current clock time while listening to an FM or AM station

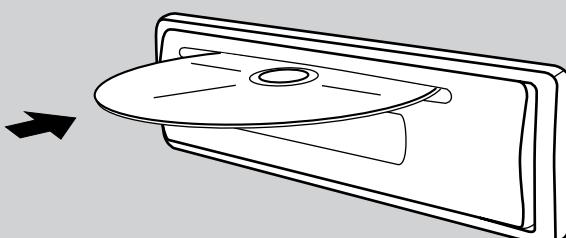
DISP



Frequency ↔ Clock

Disc operations

Playing a disc



All tracks will be played repeatedly until you stop playback.



Total playing time of the inserted disc

Total track number of the inserted disc



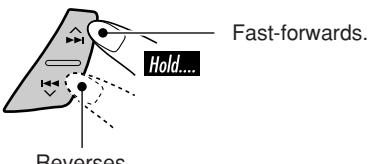
Elapsed playing time

Current track number

To stop play and eject the disc

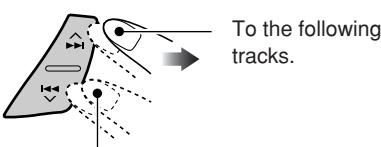


To fast-forward or reverse the track



Reverses.

To go to the next or previous tracks



To the beginning of the current track, then the previous tracks.

To go to a particular track directly

To select a number from 01 – 06:

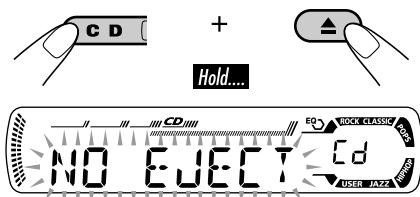


To select a number from 07 – 12:



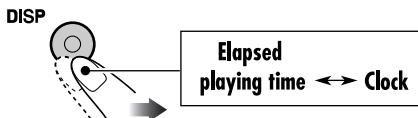
■ Prohibiting disc ejection

You can lock a disc in the loading slot.



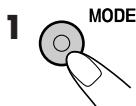
To cancel the prohibition, repeat the same procedure.

To check the current clock time while listening to a disc



Selecting the playback modes

You can use only one of the following playback modes at a time.



2 Select your desired playback mode.

Repeat play

11 RPT



Ex.: When "TRK RPT" is selected

Mode

Plays repeatedly

TRK RPT: The current track.

- RPT lights up.

RPT OFF: Cancels repeat play.

Random play

12 RND



Ex.: When "DISC RND" is selected

Mode

Plays at random

DISC RND: All tracks of the current disc.

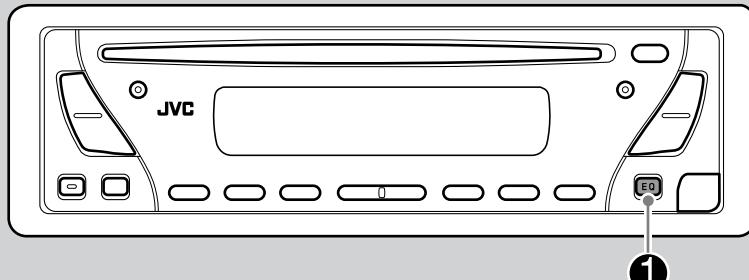
- RND  lights up.

RND OFF: Cancels random play.

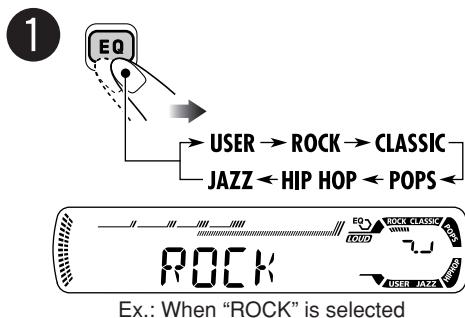
Sound adjustments

ENGLISH

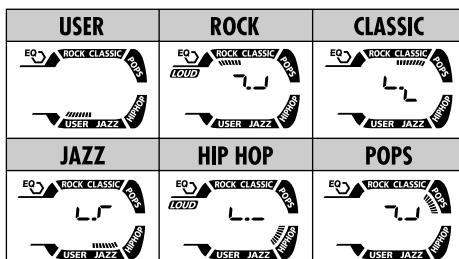
Selecting preset sound modes (C-EQ: custom equalizer)



You can select a preset sound mode suitable to the music genre.



Indication pattern for each sound mode:



Indication	For:	Preset values		
		BAS* ¹	TRE* ²	LOUD* ³
USER	(Flat sound)	00	00	OFF
ROCK	Rock or disco music	+03	+01	ON
CLASSIC	Classical music	+01	-02	OFF
POPS	Light music	+04	+01	OFF
HIP HOP	Funk or rap music	+02	00	ON
JAZZ	Jazz music	+02	+03	OFF

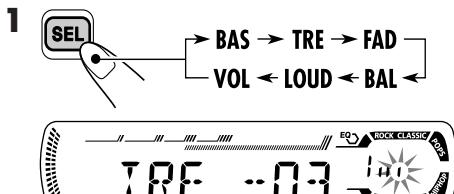
*1 BAS: Bass

*2 TRE: Treble

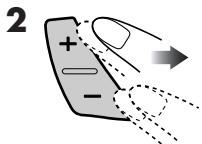
*3 LOUD: Loudness

Adjusting the sound

You can adjust the sound characteristics to your preference.



Ex.: When "TRE" is selected



Indication pattern changes as you adjust the level.



Indication	To do:	Range
BAS*1 (bass)	Adjust the bass.	-06 (min.) to +06 (max.)
TRE*1 (treble)	Adjust the treble.	-06 (min.) to +06 (max.)
FAD*2 (fader)	Adjust the front and rear speaker balance.	R06 (Rear only) to F06 (Front only)
BAL (balance)	Adjust the left and right speaker balance.	L06 (Left only) to R06 (Right only)
LOUD*1 (loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON ↓ LOUD OFF
VOL*3 (volume)	Adjust the volume.	00 (min.) to 30 or 50 (max.)*4

*1 When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."

*2 If you are using a two-speaker system, set the fader level to "00."

*3 Normally the +/- buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.

*4 Depending on the amplifier gain control setting. (See page 14 for details.)

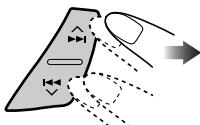
General settings — PSM

Basic procedure

You can change PSM (Preferred Setting Mode) items listed in the table that follows.

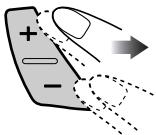


2 Select a PSM item.



Ex.: When you select "AMP GAIN"

3 Adjust the PSM item selected.



4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

5 Finish the procedure.



Indications

Selectable settings, [reference page]

DEMO

Display demonstration

DEMO ON: *[Initial]*; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7].

DEMO OFF: Cancels.

CLOCK H

Hour adjustment

1 – 12, [7]

[Initial: 1 (1:00)]

CLOCK M

Minute adjustment

00 – 59, [7]

[Initial: 00 (1:00)]

AMP GAIN

Amplifier gain control

You can change the maximum volume level of this receiver.

LOW PWR: VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from damaging the speaker.)

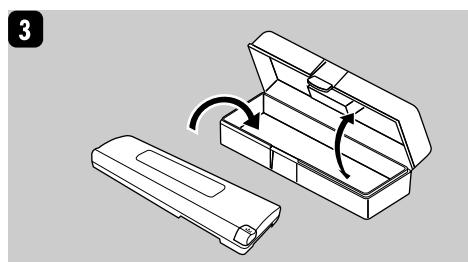
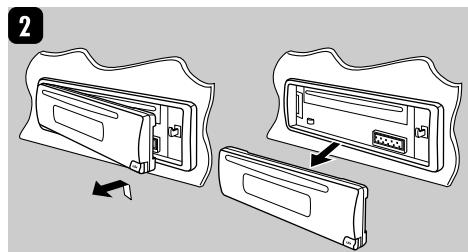
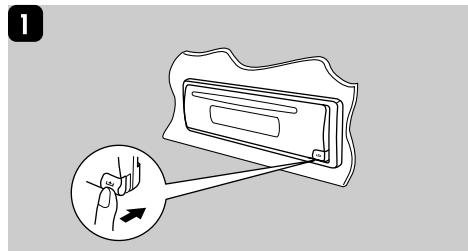
HIGH PWR: *[Initial]*; VOL 00 – VOL 50

Detaching the control panel

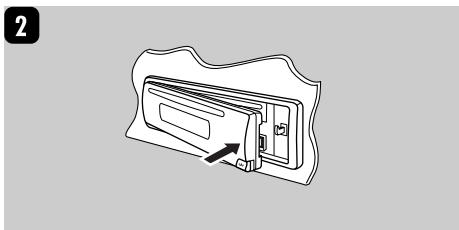
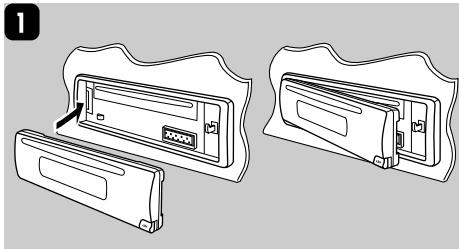
When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

Detaching the control panel

Before detaching the control panel, be sure to turn off the power.



Attaching the control panel

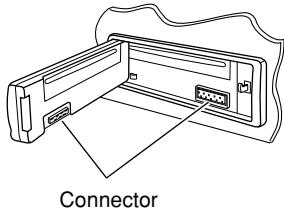


Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.



To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this receiver may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the receiver turned on for a few hours until the moisture evaporates.

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

Center holder



Do not use the following discs:



Warped disc



Sticker
residue



Stick-on
label

More about this receiver

Basic operations

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
 - All previously stored stations are erased and stations are stored newly.
 - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
 - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

General

- This receiver has been designed to reproduce CDs, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA) format.
- When a disc has been loaded, selecting “CD” for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, the disc automatically ejects.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a CD-R or CD-RW

- Use only “finalized” CD-Rs or CD-RWs.
- This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.

- Some CD-Rs or CD-RWs may not play back on this receiver because of their disc characteristics, and for the following causes:
 - Discs are dirty or scratched.
 - Moisture condensation occurs on the lens inside the receiver.
 - The pickup lens inside the receiver is dirty.
 - CD-R or CD-RW on which the files are written with “Packet Write” method.
 - There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).

- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs.

Changing the source

- If you change the source, playback also stops (without ejecting the disc). Next time you select “CD” for the playback source, disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

General settings—PSM

- If you change the “AMP GAIN” setting from “HIGH PWR” to “LOW PWR” while the volume level is set higher than “VOL 30,” the receiver automatically changes the volume level to “VOL 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none">• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none">• The receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).
FM/AM	<ul style="list-style-type: none">• SSM automatic presetting does not work.• Static noise while listening to the radio.	Signals are too weak. The antenna is not connected firmly.	Store stations manually. Connect the antenna firmly.
Disc playback	<ul style="list-style-type: none">• Disc automatically ejects.• CD-R/CD-RW cannot be played back.• Tracks on the CD-R/CD-RW cannot be skipped.	Disc is inserted upside down. CD-R/CD-RW is not finalized.	Insert the disc correctly. <ul style="list-style-type: none">• Insert a finalized CD-R/CD-RW.• Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none">• Disc can be neither played back nor ejected.	Disc is locked.	Unlock the disc (see page 11).
		The CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).
	<ul style="list-style-type: none">• Disc sound is sometimes interrupted.	You are driving on rough roads. Disc is scratched.	Stop playback while driving on rough roads. Change the disc.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none">• “NO DISC” appears on the display.	No disc is in the loading slot. Disc is inserted incorrectly.	Insert a disc into the loading slot. Insert the disc correctly.

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel
Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than 0.8%
total harmonic distortion.
Rear: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than 0.8%
total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Tone Control Range:

Bass: ±10 dB at 100 Hz
Treble: ±10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

2.0 V/20 kΩ load (full scale)

Output Impedance: 1 kΩ

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz
AM: 531 kHz to 1 602 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μV/75 Ω)

Alternate Channel Selectivity (400 kHz): 65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 35 dB

Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μV

Selectivity: 35 dB

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement:

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C

Dimensions (W × H × D):

Installation Size (approx.):

182 mm × 52 mm × 150 mm

Panel Size (approx.):

188 mm × 58 mm × 11 mm

Mass (approx.):

1.3 kg (excluding accessories)

*Design and specifications are subject to change
without notice.*

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

The JVC logo is a bold, black, sans-serif font. The letters 'J' and 'V' are stacked vertically, with 'J' on top and 'V' on the bottom. To the right of 'V', the letter 'C' is positioned, also in a bold, black, sans-serif font.

EN, CT

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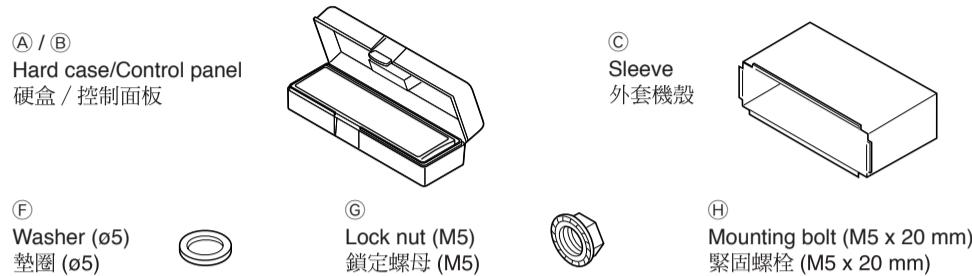
1004DTSMDTJEIN

ENGLISH

This receiver is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

Parts list for installation and connection

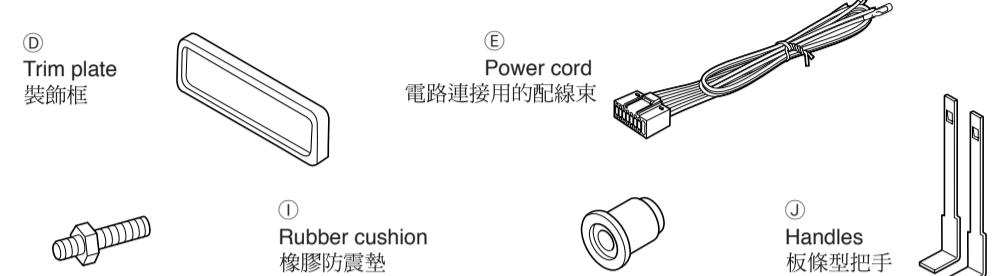
The following parts are provided for this receiver. After checking them, please set them correctly.



中文

本機僅可使用直流 **12 V、負極接地的電源系統**。如果您的車輛沒有這一電源系統，則需要一個電壓變換器，可以在 JVC 汽車音響分銷商處買到。

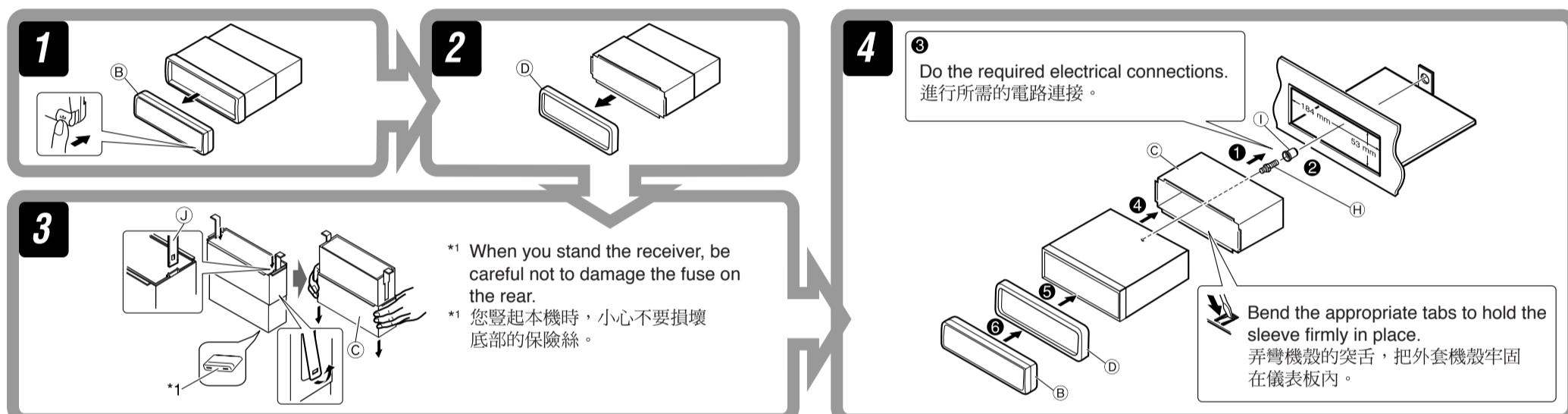
用於安裝和連接的零件里。
下列零件是隨本機提供的。
清點以後，正確的將其裝配。



INSTALLATION (IN-DASH MOUNTING)

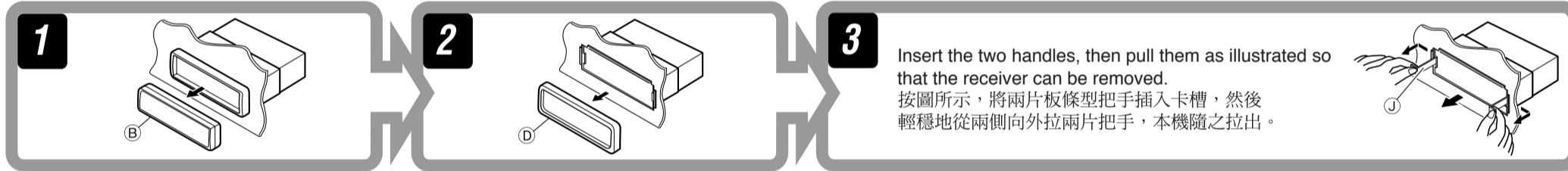
The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

- If you are not sure how to install this receiver correctly, have it installed by a qualified technician.

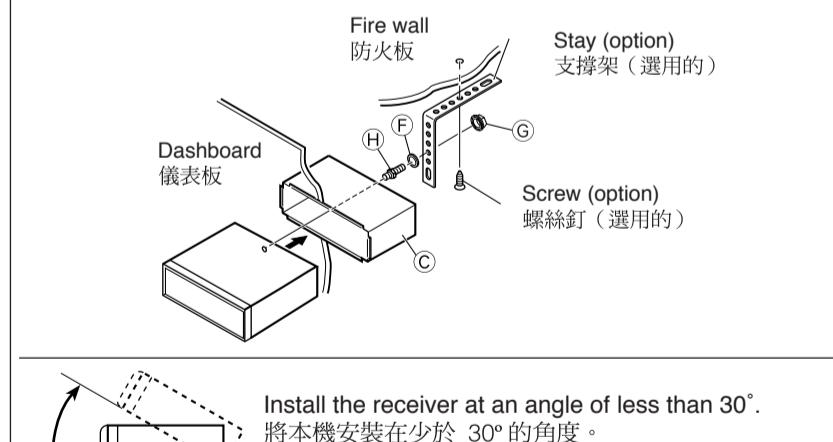


Removing the receiver

Before removing the receiver, release the rear section.

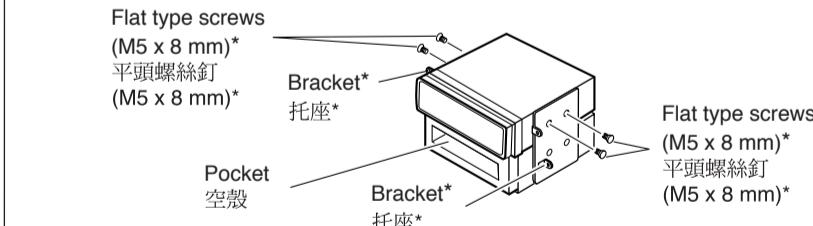


When using the optional stay / 若選用支撐架



When installing the receiver without using the sleeve / 若不使用外套機殼安裝本機

In a Toyota for example, first remove the car radio and install the receiver in its place.
以豐田牌 (TOYOTA) 汽車為例：首先取出汽車收音機，然後將本機裝入其空出的位置。



* Not included for this receiver.
* 不包含在本機內。

Note : When installing the receiver on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the receiver.

注意 : 把本機安裝在托座上時，務必使用 8 mm 長的螺絲釘。如使用過長的螺絲釘，會損壞本機。

TROUBLESHOOTING

- The fuse blows.**
* Are the red and black leads connected correctly?
- Power cannot be turned on.**
* Is the yellow lead connected?
- No sound from the speakers.**
* Is the speaker output lead short-circuited?
- Sound is distorted.**
* Is the speaker output lead grounded?
* Are the “-” terminals of L and R speakers grounded in common?
- Noise interfere with sounds.**
* Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- Receiver becomes hot.**
* Is the speaker output lead grounded?
* Are the “-” terminals of L and R speakers grounded in common?
- This receiver does not work at all.**
* Have you reset your receiver?

故障排除

- 保險絲燒斷。**
* 檢查紅色導線接頭和黑色導線接頭是否接觸正確？
- 電源不能接通。**
* 檢查黃色導線接頭是否接上？
- 揚聲器沒有聲音。**
* 檢查揚聲器輸出導線接頭是否短路？
- 聲音失真。**
* 檢查揚聲器輸出端子是否接地？
- 噪音干擾音響。**
* 後接地端子與車身是否使用較短和較厚的電線連接？
- 本機發熱。**
* 檢查揚聲器輸出端子是否接地？
- 本機完全不能操作。**
* 您是否已經重置您的機組？

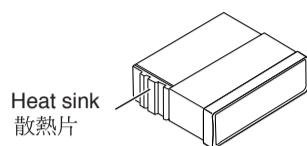
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the receiver.

- Be sure to ground this receiver to the car's chassis again after installation.

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 14 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this receiver.



電路連接

為防止短路，建議在安裝本機之前，斷開電池的負極，並把所有電路都連接好。

- 安裝完畢後務必將本機的地線重新接至車身。

注意：

- 把保險絲更換為額定負荷值的保險絲。如果保險絲經常燒壞，請向 JVC 汽車音響分銷商詢問。
- 後置和前置揚聲器的最大輸入功率應大於 50 W，其阻抗為 4 Ω – 8 Ω。如果最大功率小於 50 W，請調校 "AMP GAIN" 設定值，以防止揚聲器損壞。（參閱使用說明書的第 14 頁）。
- 為防止電源短路，請用絕緣帶包住未使用電線的端子。
- 本機使用後，散熱片會很熱。因此，在移出本機時，小心不要觸摸散熱片。

A Typical connections / 典型的接線方法

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this receiver.

The leads of the power cord and those of the connector from the car body may be different in color.

1 Connect the colored leads of the power cord in the order specified in the illustration below.

2 Connect the antenna cord.

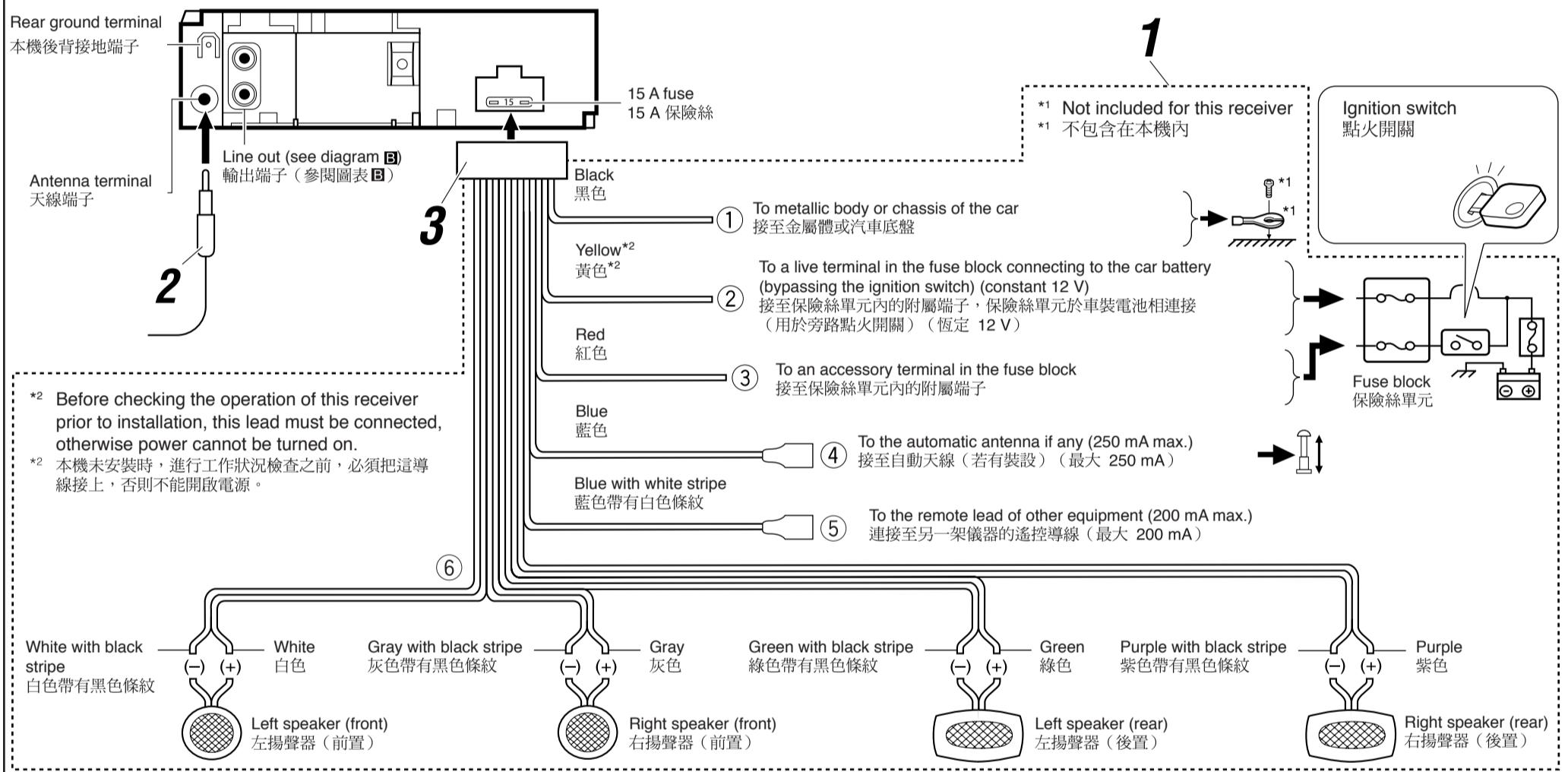
3 Finally connect the wiring harness to the receiver.

接線前：仔細檢查汽車內的線路。不正確的接線會導致本機嚴重損壞。電力線的引線和車身的連接器引線在顏色上可能有所不同。

1 依照下圖所示之次序連接電源線的顏色導線。

2 將天線的電線連接起來。

3 最後，把配線束的插頭插在本機上。



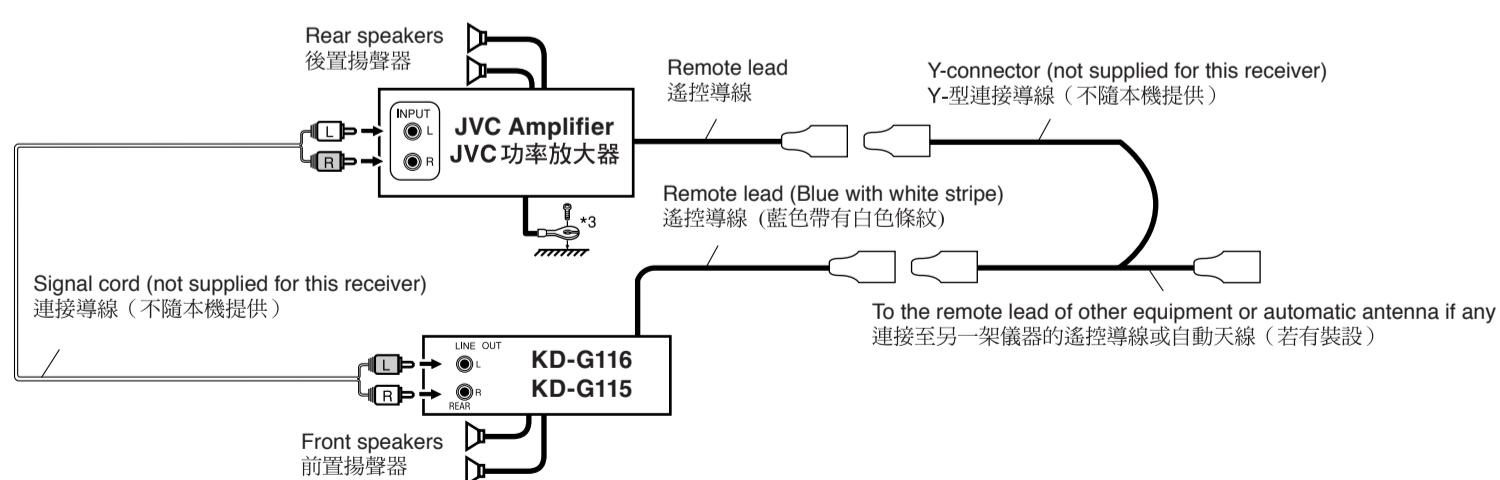
B Connecting the external amplifier / 連接至外部功率放大器

You can connect an amplifier to upgrade your car stereo system.

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this receiver.
- Disconnect the speakers from this receiver, connect them to the amplifier. Leave the speaker leads of this receiver unused.

您可以連接功率放大器以提昇尊車的音響系統。

- 將遙控導線（藍色帶有白色條紋）和其他裝置上的遙控導線連接起來，以便可以通過本機進行遙控。
- 將揚聲器和本機斷開，再接上功率放大器。將本機的揚聲器接線放置不用。



PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the receiver will be seriously damaged.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

電源和揚聲器接線注意事項：

- 切勿把揚聲器導線接頭接至電池，否則本機將會嚴重損壞。
- 在把揚聲器導線接頭接至揚聲器之前，檢查您汽車上的揚聲器線路。

